# BIRDS OF THE RAMSAR WETLANDS OF KERALA: Diversity, Population Trend and Conservation Challenges

P.O. NAMEER | NIRANJANA K. S.

State Wetland Authority Kerala

State Wetland Authority Kerala

# BIRDS OF THE RAMSAR WETLANDS OF KERALA:

## Diversity, Population Trend and Conservation Challenges


**P.O. NAMEER | NIRANJANA K. S.**

Coordinators

Harikumar Mannar | Hari Mavelikkara | Jishnu R | Manoj Karingamadathil | Praveen J | Rathish R.L. | Sivakumar A.K. | Sreekumar B | Sumesh P.B. | Vishnupriyan Kartha

Birds of the Ramsar Wetlands of Kerala:
Diversity, Population Trend and Conservation Challenges

Ornithology/Reference
**Authors: P.O. Nameer & Niranjana K. S.**

2025

Creative Commons Attribution 4.0 International License. Authors allow unrestricted use of this publication for non-commercial purposes by providing adequate credit to the authors and publishers.

Photographs copyright © individual photographers mentioned next to each photo. None of the photographs can be reproduced without prior written consent of the respective contributor.

Recommended Citation: P.O. Nameer & Niranjana, K. S. 2025. Birds of the Ramsar Wetlands of Kerala: Diversity, Population Trend and Conservation Challenges. Kerala Agricultural University and State Wetland Authority Kerala (SWAK). Kerala. 112p.

Layout and Design: **Shinelal**, Colourpencil Media, Thiruvananthapuram, Kerala
Printed at **Harmony Printers**, Thrissur, Kerala

**ISBN: 978-93-344-4704-0**

Publisher details : **Kerala Agricultural University and State Wetland Authority Kerala (SWAK)**

Cover Photo: **Praveen P. Mohandas**

# BIRDS OF THE RAMSAR WETLANDS OF KERALA:
## Diversity, Population Trend and Conservation Challenges

# Partners

KERALA AGRICULTURAL UNIVERSITY

KOTTAYAM NATURE SOCIETY

WWF

KOLLAM
BIRDING BATTALION

BIRDERS EZHUPUNNA

C
N
H
S

athanamthitta
irders

SAVE KOLE
kole.org.in
RICE IS LIFE

HUME

birdcount.in
BIRD COUNT INDIA

# 109-RARE AND UNCOMMON BIRD SPECIES RECORDED DURING THE PROJECT

## Contents


Acknowledgement ..... 7
Introduction ..... 8
Cotton Pygmy-Goose ..... 9
Northern Pintail ..... 10
Indian Spot-billed Duck ..... 11
Lesser Whistling-Duck ..... 12
Knob-billed Duck ..... 13
Northern Shoveler ..... 14
Garganey ..... 15
White-breasted Waterhen ..... 16
Eurasian Coot ..... 17
Watercock ..... 18
Eurasian Moorhen ..... 19
Grey-headed Swamphen ..... 20
Ruddy-breasted Crake ..... 21
Baillon's Crake ..... 22
Black-winged Stilt ..... 23
Pied Avocet ..... 24
Kentish Plover ..... 25
Tibetan Sand-Plover ..... 26
Little Ringed Plover ..... 27
Pacific Golden-Plover ..... 28
Grey-headed Lapwing ..... 29
Red-wattled Lapwing ..... 30
Yellow-wattled Lapwing ..... 31
Greater Painted-Snipe ..... 32
Pheasant-tailed Jacana ..... 33
Bronze-winged Jacana ..... 34
Common Sandpiper ..... 35
Sanderling ..... 36
Curlew Sandpiper ..... 37
Little Stint ..... 38
Ruff ..... 39
Temminck's Stint ..... 40
Common Snipe ..... 41
Pin-tailed Snipe ..... 42
Asian Dowitcher ..... 43
Bar-tailed Godwit ..... 44
Black-tailed Godwit ..... 45
Eurasian Curlew ..... 46
Whimbrel ..... 47
Spotted Redshank ..... 48
Wood Sandpiper ..... 49
Common Greenshank ..... 50
Green Sandpiper ..... 51
Marsh Sandpiper ..... 52
Common Redshank ..... 53
Terek Sandpiper ..... 54
Small Pratincole ..... 55
Oriental Pratincole ..... 56
Collared Pratincole ..... 57
Whiskered Tern ..... 58
Brown-headed Gull ..... 59
Slender-billed Gull ..... 60
Black-headed Gull ..... 61
Gull-billed Tern ..... 62
Caspian Tern ..... 63
River Tern ..... 64
Little Tern ..... 65
Lesser Crested Tern ..... 66
Great Crested Tern ..... 67
Little Grebe ..... 68
Asian Openbill ..... 69
Woolly-necked Stork ..... 70
Painted Stork ..... 71
Oriental Darter ..... 72
Little Cormorant ..... 73
Indian Cormorant ..... 74
Great Cormorant ..... 75
Eurasian Spoonbill ..... 76
Glossy Ibis ..... 77
Black-headed Ibis ..... 78
Great Egret ..... 79
Grey Heron ..... 80
Medium Egret ..... 81
Purple Heron ..... 82
Indian Pond-Heron ..... 83
Eastern Cattle Egret ..... 84
Striated Heron ..... 85
Little Egret ..... 86
Western Reef-Egret ..... 87
Cinnamon Bittern ..... 88
Black Bittern ..... 89
Yellow Bittern ..... 90
Black-crowned Night-Heron ..... 91
Spot-billed Pelican ..... 92
Osprey ..... 93
Brahminy Kite ..... 94
Western Marsh-Harrier ..... 95
Greater Spotted Eagle ..... 96
Indian Spotted Eagle ..... 97
Booted Eagle ..... 98
Common Kingfisher ..... 99
Pied Kingfisher ..... 100
Black-capped Kingfisher ..... 101
White-throated Kingfisher ..... 102
Stork-billed Kingfisher ..... 103
White Wagtail ..... 104
Grey Wagtail ..... 105
Western Yellow Wagtail ..... 106
White-browed Wagtail ..... 107
Eastern Yellow Wagtail ..... 108

# Acknowledgement

The College of Climate Change and Environmental Science, Kerala Agricultural University, in collaboration with the birdwatching fraternity of Kerala, undertook a project titled "Annual Waterbird Census and Monitoring in the Ramsar Sites of Kerala" during 2023–2024. The project was implemented with the financial support of the State Wetland Authority, Kerala (SWAK), Department of Environment and Climate Change, Government of Kerala.

Following the successful completion of the project, the Member Secretary of SWAK expressed interest in developing the data and insights generated through this initiative into a coffee table book, which led to the conception of the present publication.

We express our sincere gratitude to Mr. Suneel Pamidi, IFS, Member Secretary, State Wetland Authority, Kerala, for his invaluable support and insightful suggestions throughout the implementation of the project. We also acknowledge Dr. John C. Mathew, Environment Project Manager, SWAK/DoECC, for his immense support and constructive feedback on earlier drafts of this book. We gratefully acknowledge the financial support provided by SWAK for the production and printing of this volume.

We extend our thanks to the authorities of the Kerala Agricultural University for facilitating the implementation of the project through the College of Climate Change and Environmental Science and for providing administrative and logistical support. The cooperation and assistance from the office of the College of Climate Change and Environmental Science are also gratefully acknowledged.

We thank the Wetland Monitoring team: Aadhisha B. S., Aamira Akthar, Abdulla Hamid, Abhay M Sunil, Abhi Sharon, Abhilash Daniel, Abhin M Sunil, Abhinav, Able Maria Pauly, Adarsh Ajay, Adhithya DJ, Ahammed Saeed, Aiswarya K. Saji, Ajai P, Akhil A. S., Akhil Ashok, Akmala, Aleena Ajith, Aleena Mathew, Alen Alex, Amal Babu M P, Amal Krishnan, Amal U S, Amarnath K S, Ambika Nandini, Ampady S, Amrutha P, Anagha Jose, Ananya R Anil, Aneesh P S, Angel Kochumon, Angel Mary Babu, Anish Mohan Thampi, Anish Sasidevan, Anjali Sasikumar, Anjana A K, Anju J, Anukrishna R., Anupriya A V, Arathi Sasidharan, Ardra Raju, Ardra V.P., Arjun Suresh, Arun B, Arun G, Arun Gopi, Arun Lal, Arya Sethuparvathy, Ashfi Noushad, Ashitha KA, Ashwin G, Asif Shereef, Aswin K, Athira P., Ayisha Dhiyana, Aysha Dhiyana, Azhar Muhammad A, Benison George, Bharath Krishna, Bindu Krishnan, Binoy K M, Chandhini Chandran, Chins Chandran, Cicy Ann, C P Sethumadhavan, Darshan K S, Devika Santhosh, Dhanush Vichu, Dijumon K P, Dipu Sasi, Dr Sreekumar.B., Dr. Annie Feby, Dr. Bindhu Krishnan, Dr. Dhanya Sreejith, Dr. Prasanth Narayanan, Dr. Sudhakaran, Emin Maria Arun, Faisal Fasaludeen, Feba K S, Felix Sunil Punnoose, Ganesh Mohan, Geetha Anallur, Ginu George, Girishkumar K, Gokul, Gopika S.R., Gouri Priya, Govind Girija, Gown Krishna K, Hari G, Hari Mavelikkara, Harikumar, Haritha S., Harish Nambiar, Jayadev Menon, Jayakrishnan Mannar, Jessy D, Jijo P S, Jiju C J, Joseph N D, Kausthubh K N, Keerthi Mohan, Kiron Vijay, Kumar Charan Karthil, Lasina P M, Lathish R Nath, Lekshmi Jayakumar, M Adithya Raghunathan, Mahalakshmi C, Maji Kamal, Malavika, Malik Fasil Madala , Manoj Karingamadathil, Manoj Kunnambath, Meenakshi P.A, Megha D M, Mini Anto, Mithra S, Mohammed Sayeer, Muhammed Rafi, Muhammed Shanid, Mukundan Kizhekkemadom, Nandana Vinayakumar, Navaneeth Sini George, Navya Stephen, Nesrudheen PP, Nidheesh K B, Nigin Babu, Niranjan R, Dr. Nirmal George, Nithya Mathew, Nishad Eshaal, Nydya N, Oygan, Parul Daga, Parvathy Ramdas, Polycarp Joseph, Pradeepkumar PK, Prasanth, Praveena Jayachandran, Priya AV, P V Jayan, Rahul Raj, Rahul Sankar, Rajeev M B, Raju Sankaran, Ratheesh P R, Ratna V, Regi Mani, Rehana Alpha, Rejani P.S., Reji Chandran, Renjith R V, Renju Raju, Renju T R, Reshma MR Lal, Rony S Emmanuel, Sachin Krishna, Sachin Vijay, Sahil Labba, Sajith, Sajith KM, Sambhu Chandran, Sameera Shaji, Sancia Morris, Sandeep Viswanath, Sandra Shabu, Santhosh K, Santhosh Kumar, Sarath Sathyan, Sareena P.N., Senila Senal, Shiby Moses, Shilpa Shaji, Shino Jacob, Sivakumar Ak, Siya Ul Haque, Smruthi V M, Sneha Binil, Sona Sajeev, Sooraj P, Sree Vijay, Sreedevi, Sreejith N, Sreekumar KG, Sreelekha R S, Sreerag C S, Subin K S, Sudha Kanjiravalappil, Sudheesh Mohan, Sudheesh Muraleedharan, Sumesh C G, Sumesh PB, Sunny Joseph, Surabhi R. S., Theertha Bharath, Thrinisha T U, Uma M. A., Vaisakh George, Vasila K, Venugopala Prabhu S, Vijayalakshmi P V, Vishnu Nandakumar, Vishnupriyan Kartha, Vismaya T.U., Vivek Chandran, and Vivek Sreekumar.

We thank all photographers who shared their work to illustrate this book: Adarsh Ajay, Afsar Nayakkan, Ampady S, Arjun Suresh, David Raju, Dr. Nirmal George, Dr. Raju Kasambe, ,Harish Nambiar, Mini Anto Thettayil, Mousam Ray, Nishad Eshaal, Prasan Shrestha, RehanaAlpha, Reji Chandran, Renju Raju, Shino Jacob Koottanad, Subin K S, Suyesha K C, Tisha Mukherjee and Vivek Chandran.

We also thank Praveen J for his expert review and feedback and Pratheesh Kumar for his assistance in verifying the species names.

# Introduction

Kerala's Ramsar wetlands are a home for waterbirds, supporting an incredible diversity of species. A one-year long study was undertaken from May 2023 to April 2024, to monitor the population and distribution of wetland birds across the four Ramsar sites of Kerala- Ashtamudi Wetland, Sasthamkotta Lake, Vembanad-Kol Wetland Complex. This initiative extended beyond annual waterbird counts, providing a comprehensive understanding of avian diversity, seasonal patterns, and potential threatsThis assessment was conducted as part of the implementation of the approved Integrated Management Plans (IMPs) of the three Ramsar wetlands of Kerala.

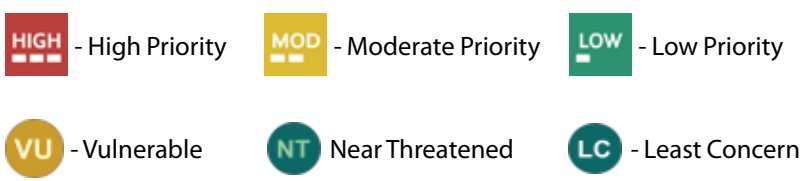
Passeriformes represented the major order (35%) followed by Charadriiformes (19%) and Pelecaniformes (8%). Vembanad Lagoon harbored the highest species richness with 193 species, followed by Kol Wetlands with 176 species. Seasonal bird counts revealed significant variations, with peak numbers observed during winter months due to the arrival of large migratory flocks. Black-tailed Godwit, Medium Egret, Little Egret, and Lesser Whistling-Duck were the most abundant species observed.

The study recorded 15 bird species in the two IUCN-threatened categories from the Ramsar Sites of Kerala. These include five species of birds belonging to the Vulnerable category, such as the Black-capped Kingfisher, Greater Spotted Eagle, River Tern, Bristled Grassbird, Curlew Sandpiper and ten species belonging to the Near Threatened category. Additionally, the 34 species belonging to the High Priority Species category as per State of India Birds were also recorded from the Ramsar Wetlands of Kerala. Additionally, this project was able to provide pertinent data points for revising the global Red List by IUCN, of some wetland species.

However, these wetlands are increasingly subjected to various threats which pose significant challenges to their ecological health and sustainability. Pollution from sewage, pesticides, and solid waste, encroachment for urban development, and tourism pressures disturb the delicate ecological balance. Habitat degradation through sedimentation, invasive vegetation, and mangrove loss further endangers the wetland ecosystems. Addressing these challenges requires a collaborative approach that combines scientific monitoring with community-driven conservation initiatives.

This is a tribute to the vibrant avian life of Kerala's Ramsar wetlands. Through striking visuals and insightful narratives, it exhibits the extraordinary bird diversity while underscoring the urgent need for conservation. By fostering awareness and appreciation, we hope to inspire collective action to protect these vital ecosystems for generations to come.

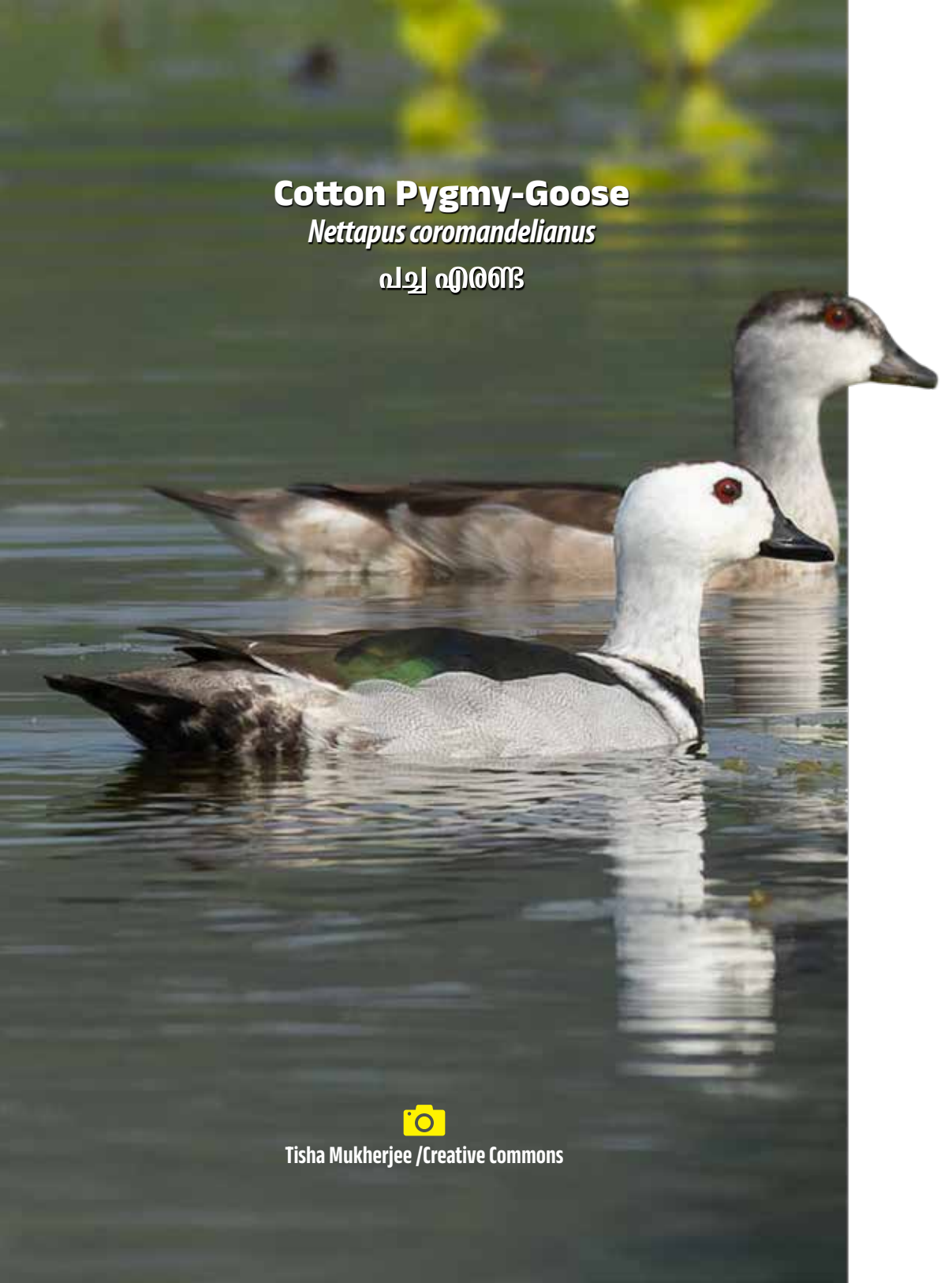
**How to read the plate page:**
All graphs presented in this book depict the number of individuals of each waterbird species recorded during the Asian Waterbird Census (AWC) in Kerala over the past ten years. The maps illustrate species presence across Kerala's Ramsar wetlands, with seasonal comparisons between the dry season (November–March) and the wet season (April–October). These data were recorded during the project 'Annual Waterbird Census and Monitoring in the Ramsar Sites of Kerala' (May 2023 – April 2024). The colour scale represents the number of individuals of birds observed ranging from lower counts (lighter shades) to higher concentrations (darker shades).



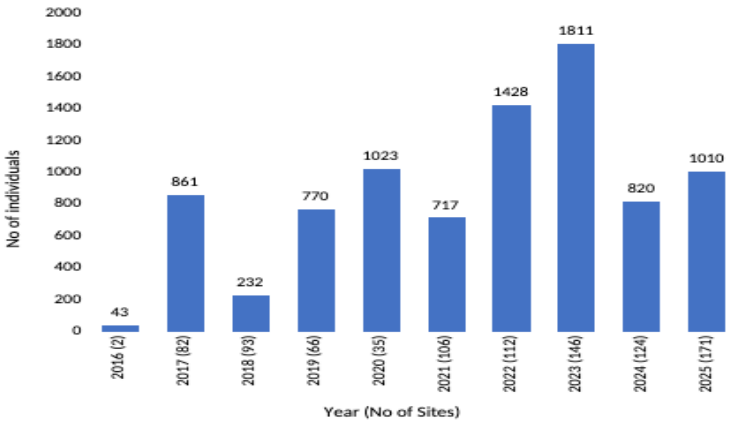
# Cotton Pygmy-Goose

*Nettapus coromandelianus*

പച്ച എരണ്ട



Tisha Mukherjee /Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

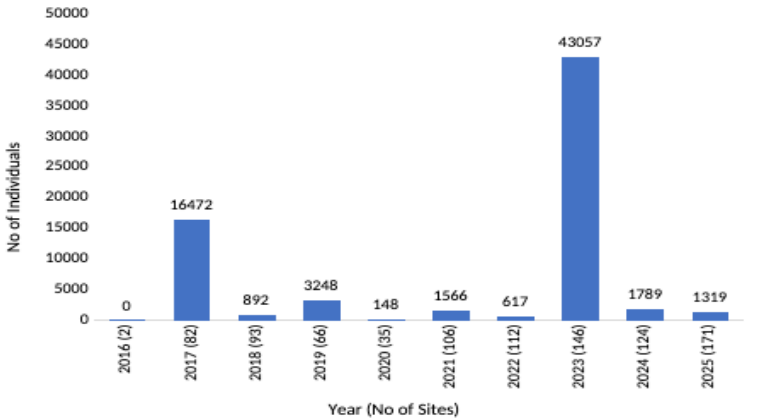
Protection Schedule (WLPA): I CMS Appendix: II

# Northern Pintail

*Anas acuta*

വാലൻ എരണ്ട

Prasan Shrestha/ Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

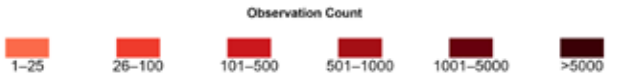
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

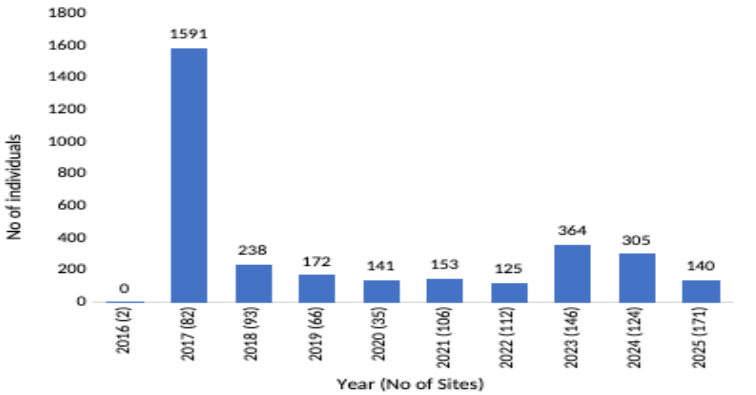


# Indian Spot-billed Duck

*Anas poecilorhyncha*

പുള്ളിച്ചുണ്ടൻ താറാവ്

Renju Raju



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

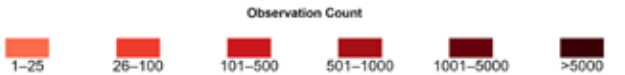
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

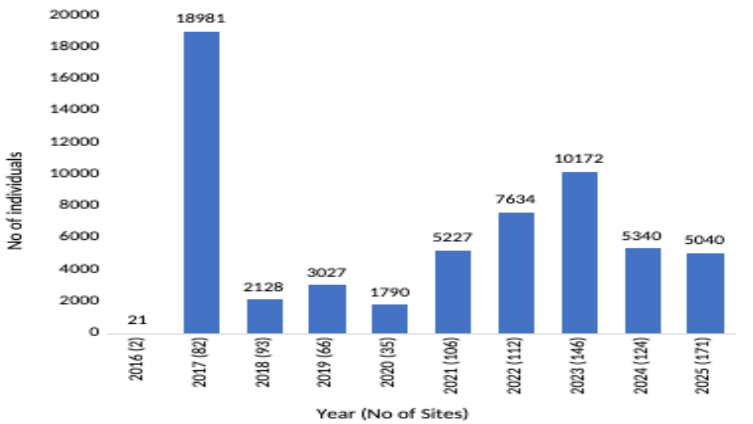


# Lesser Whistling-Duck

*Dendrocygna javanica*

ചൂളൻ എരണ്ട

Renju Raju



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

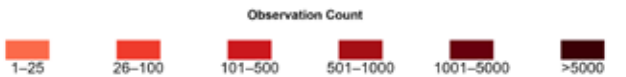
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II

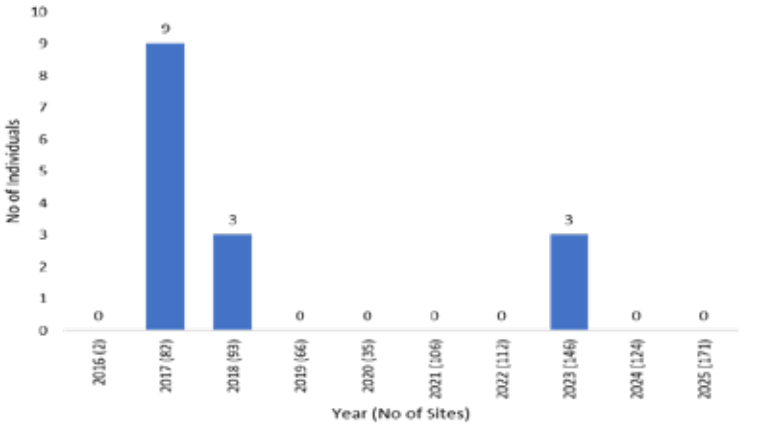


# Knob-billed Duck

*Sarkidiornis melanotos*

മുഴയൻ താറാവ്

Reji Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

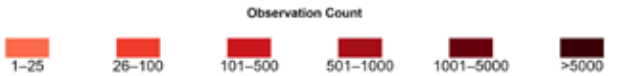
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

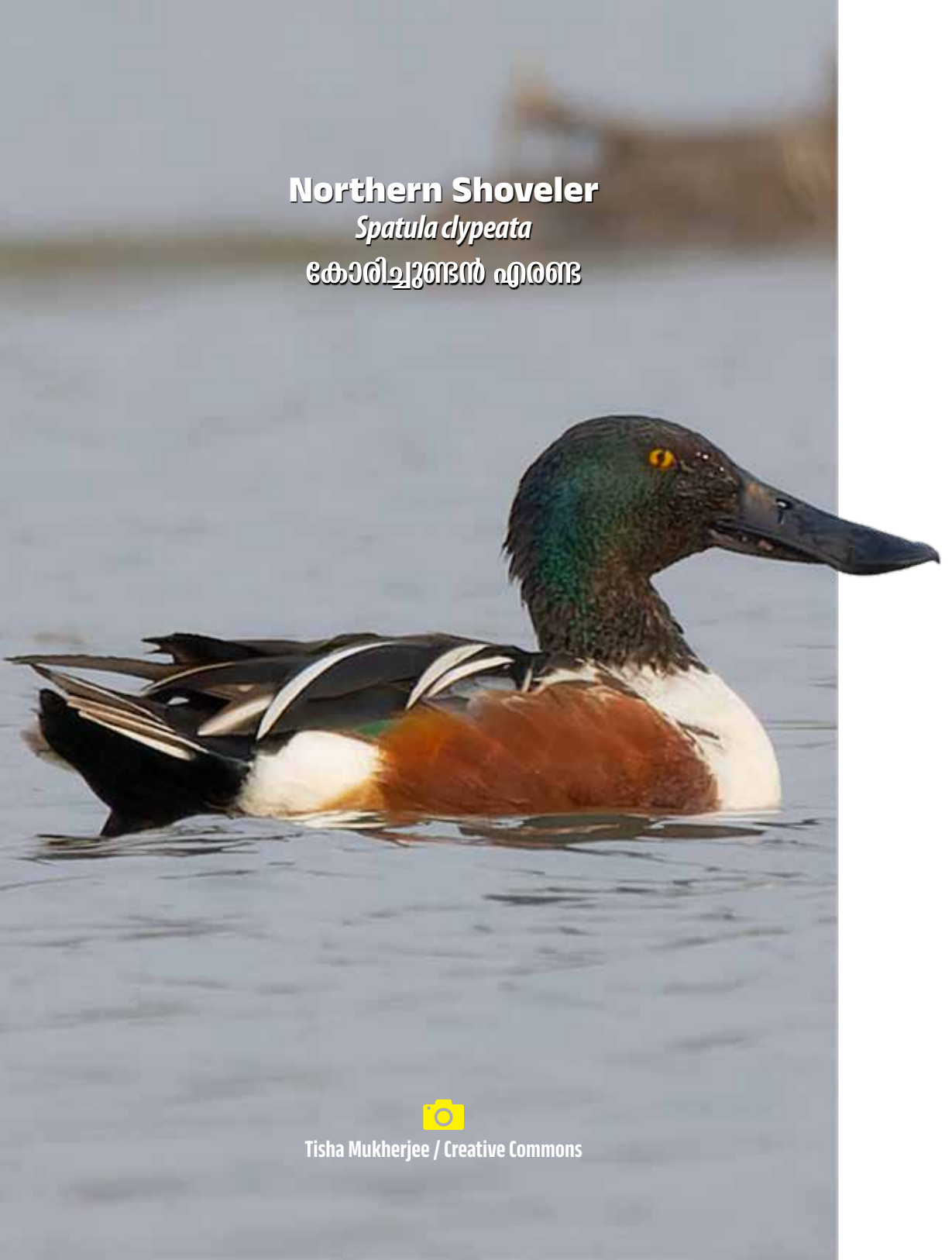
Protection Schedule (WLPA): II CMS Appendix: II CITES Appendix: II



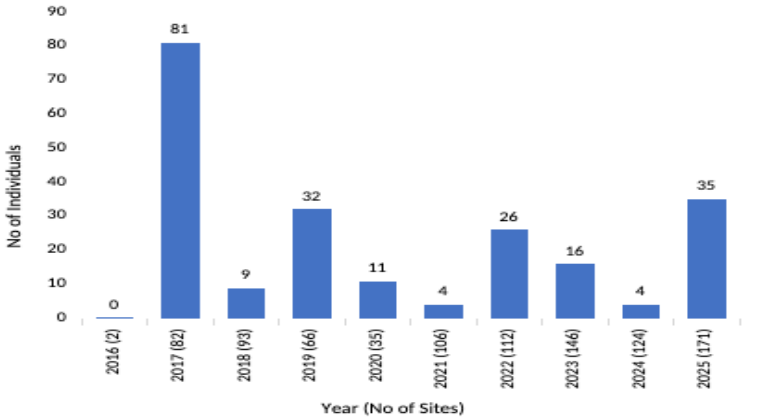
# Northern Shoveler

*Spatula clypeata*

കോരിച്ചുണ്ടൻ എരണ്ട



Tisha Mukherjee / Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

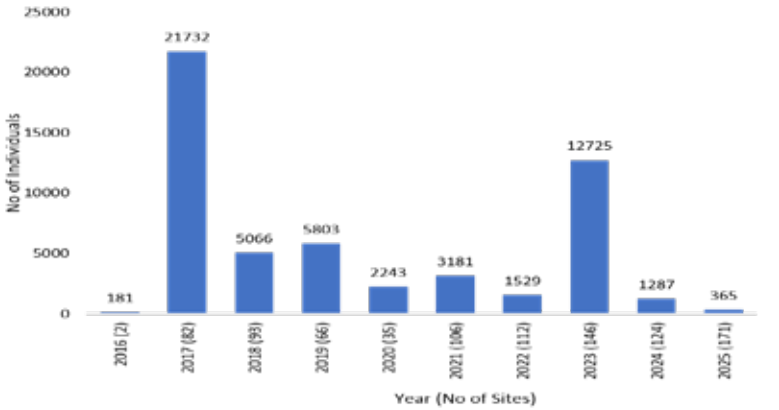
Protection Schedule (WLPA): II CMS Appendix: II

# Garganey

*Spatula querquedula*

വരി എരണ്ട

Dr. Raju Kasambe/Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

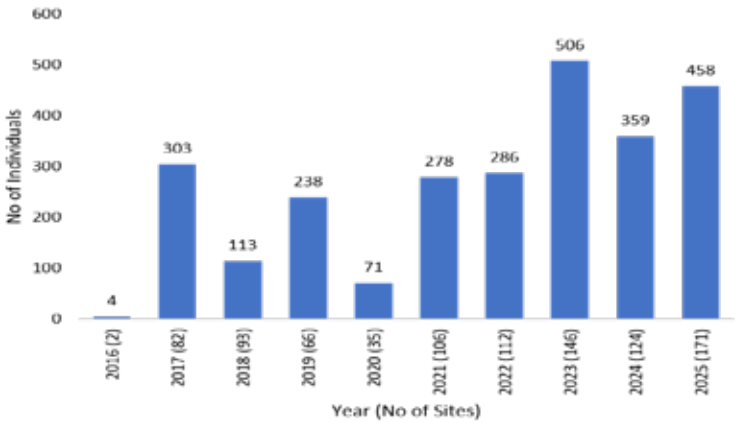
Protection Schedule (WLPA): II CMS Appendix: II

# White-breasted Waterhen

*Amaurornis phoenicurus*

കുളക്കോഴി

Mini Anto Thettayil



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

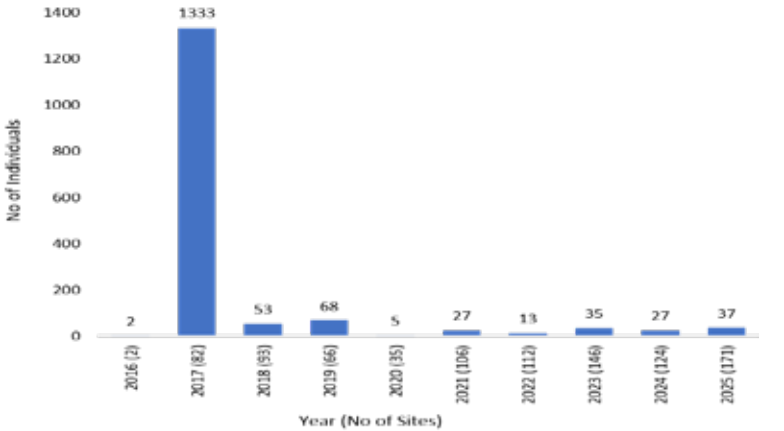
Protection Schedule (WLPA): II

# Eurasian Coot

*Fulica atra*

വെള്ളക്കൊക്കൻ കുളക്കോഴി

Reji Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

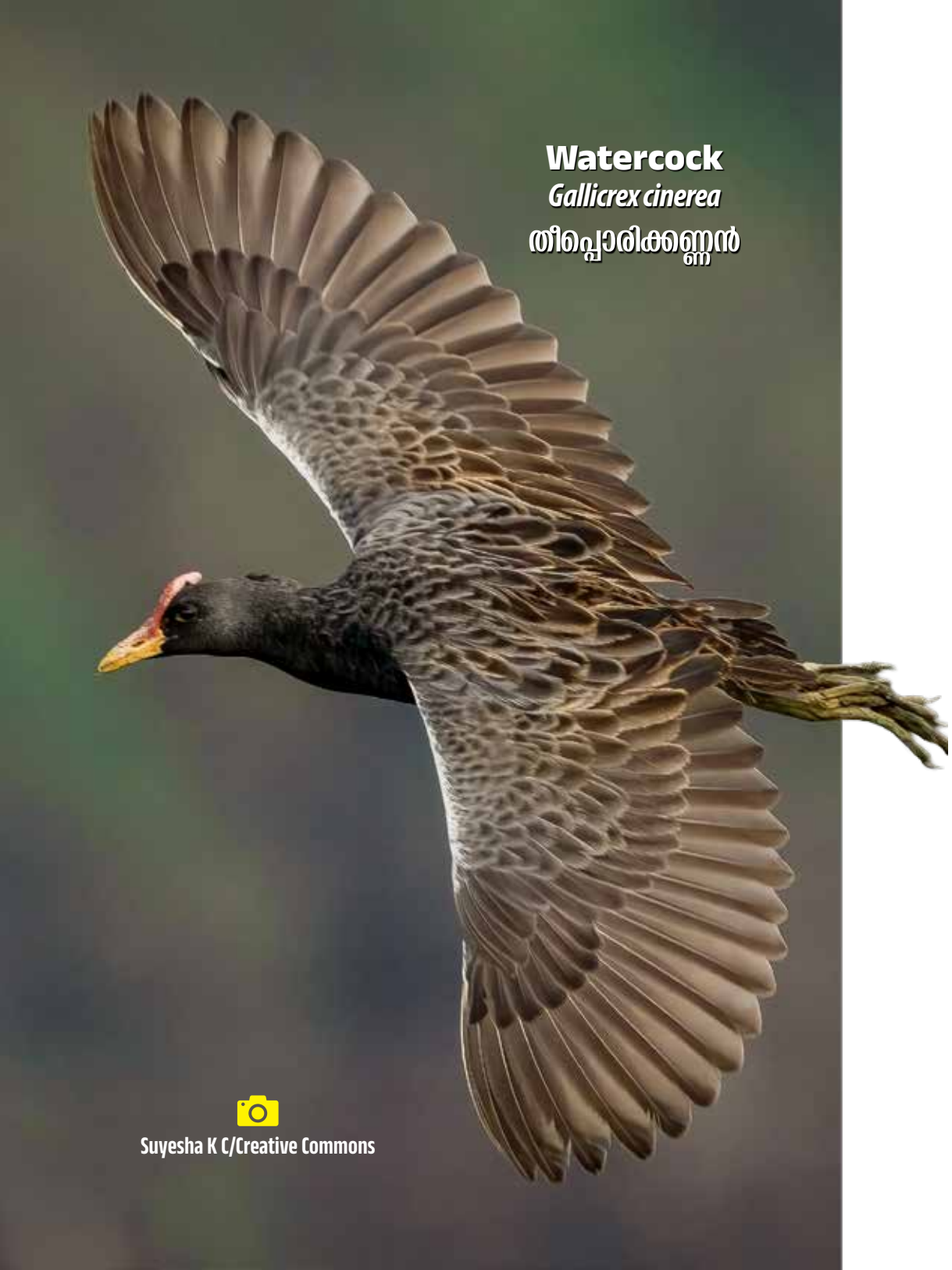
Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

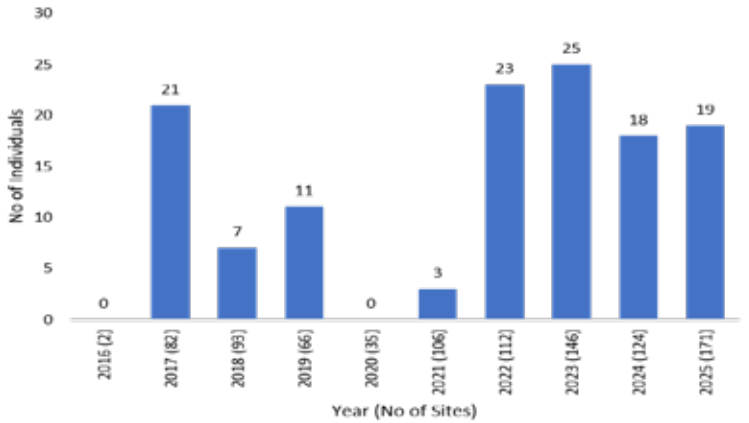
# Watercock

*Gallicrex cinerea*

തീപ്പൊരിക്കണ്ണൻ



Suyesha K C/Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

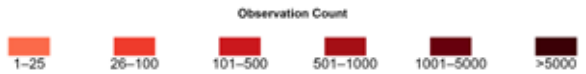
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II

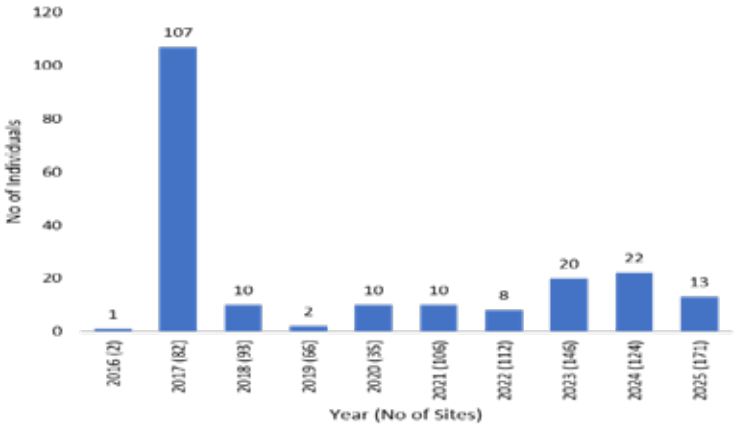


# Common Moorhen

*Gallinula chloropus*

പട്ടക്കോഴി

Ampady S



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

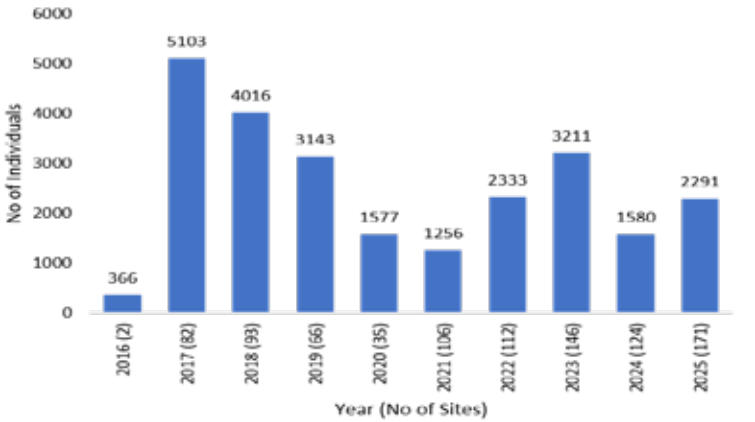
Protection Schedule (WLPA): II

# Grey-headed Swamphen

*Porphyrio poliocephalus*

നീലക്കോഴി

Reji Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

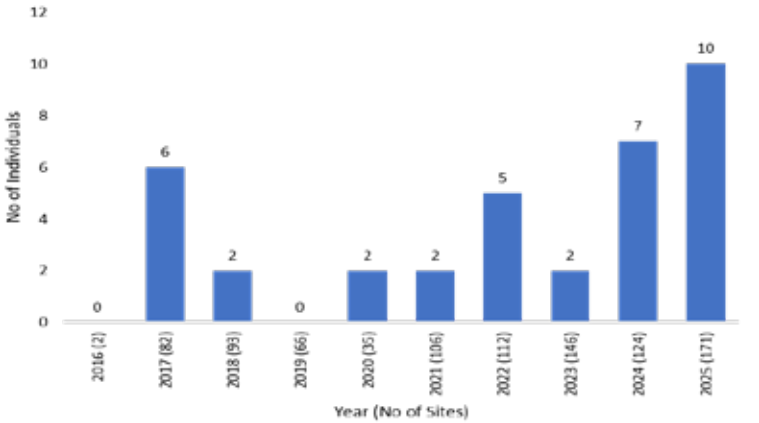
Protection Schedule (WLPA): II

# Ruddy-breasted Crake

*Zapornia fusca*

ചുകന്ന നെല്ലിക്കോഴി

Afsar Nayakkan /Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

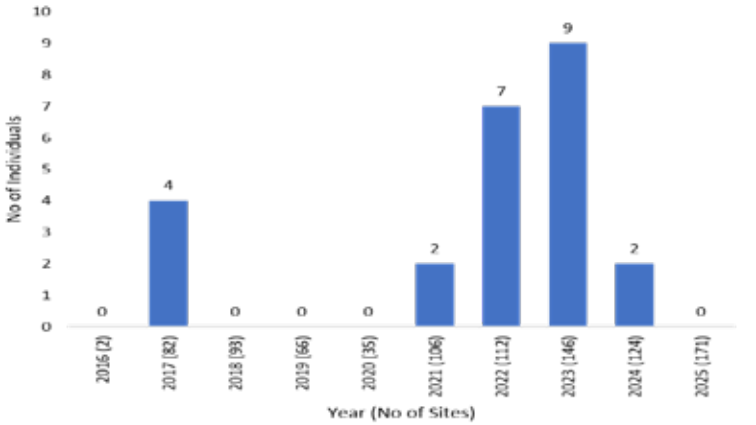
Protection Schedule (WLPA): II

# Baillon's Crake

*Zapornia pusilla*

ചെറിയ നെല്ലിക്കോഴി

Tisha Mukherjee/Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

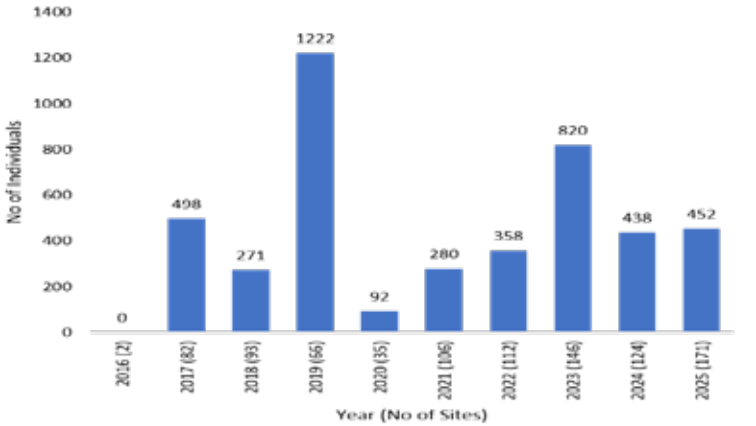
Protection Schedule (WLPA): II

# Black-winged Stilt

*Himantopus Himantopus*

പവിഴക്കാലി

Renju Raju



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

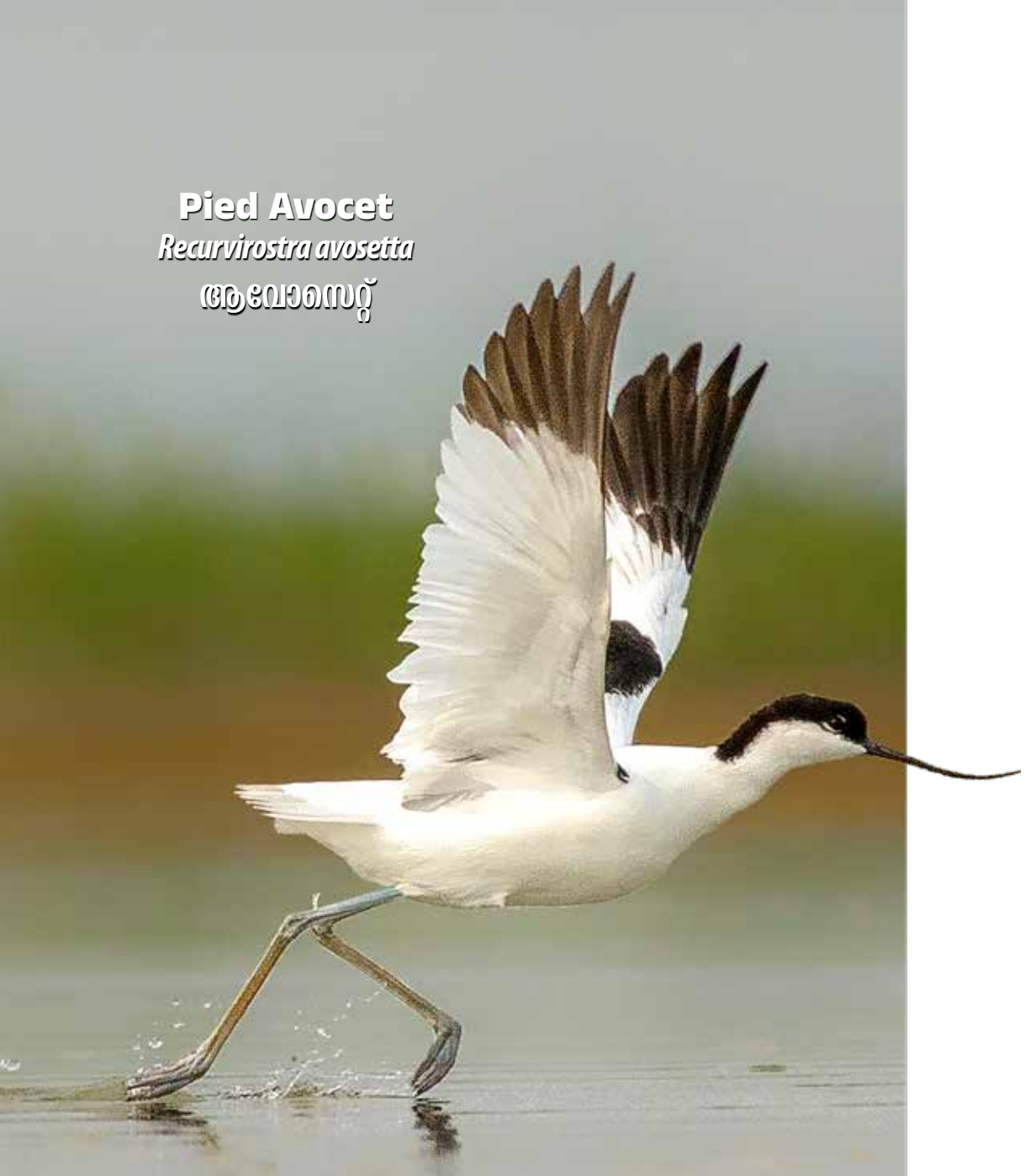
Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

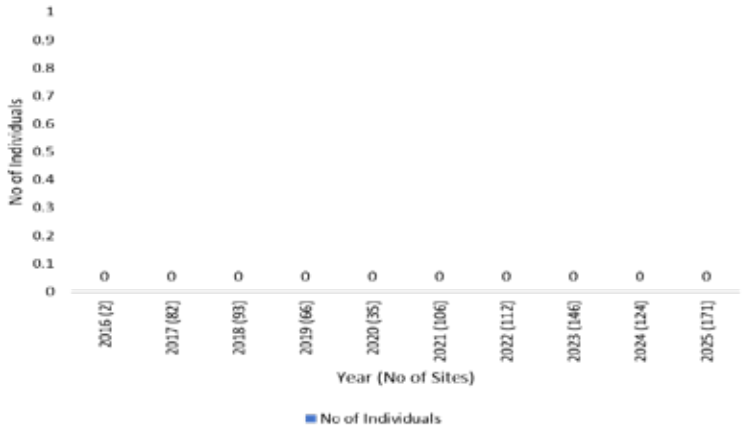
# Pied Avocet

*Recurvirostra avosetta*

ആവോസെറ്റ്



Mousam Ray/Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

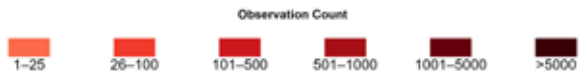
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II



# Kentish Plover

*Anarhynchus alexandrines*

ചെറുമണൽക്കോഴി

Vivek Chandran

Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

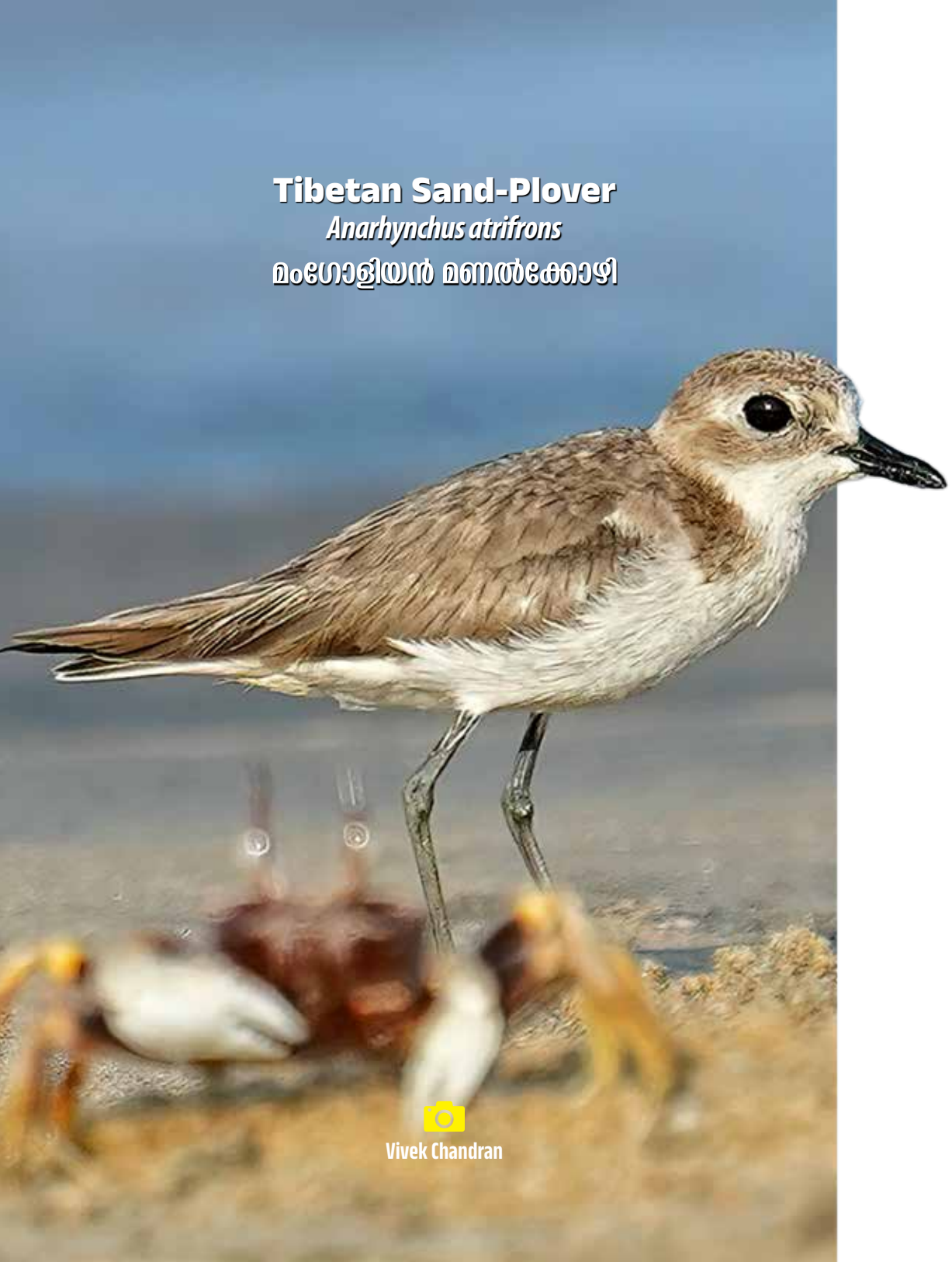
Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

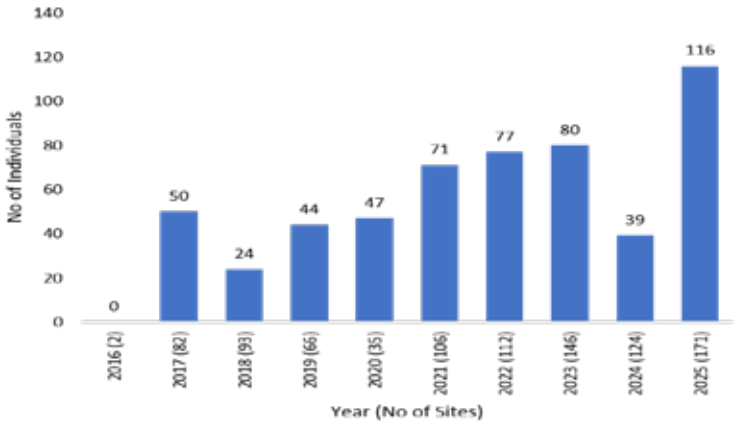
# Tibetan Sand-Plover

*Anarhynchus atrifrons*

മംഗോളിയൻ മണൽക്കോഴി



Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

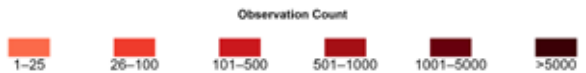
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

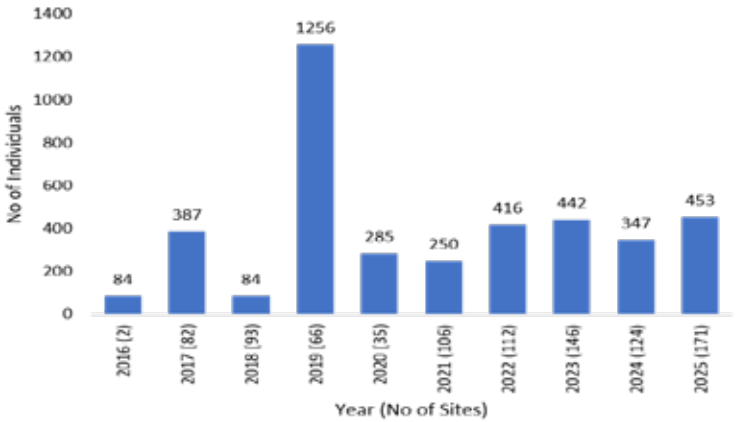


# Little Ringed Plover

*Thinornis dubius*

ആറ്റുമണൽക്കോഴി

David Raju/Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

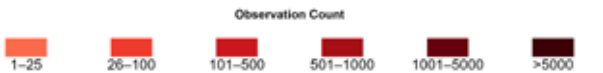
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

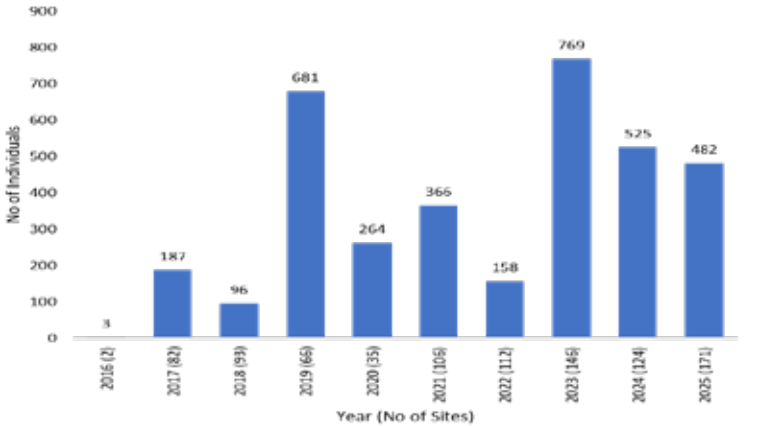


# Pacific Golden-Plover

*Pluvialis fulva*

പൊൻ മണൽക്കോഴി

Mini Anto Thettayil



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

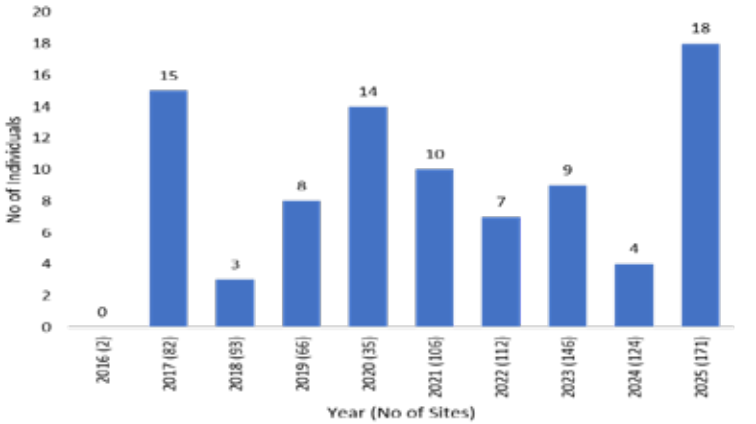
Protection Schedule (WLPA): I CMS Appendix: II

# Grey-headed Lapwing

*Vanellus cinereus*

ചാരത്തലയൻ തിത്തിരി

Renju Raju



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

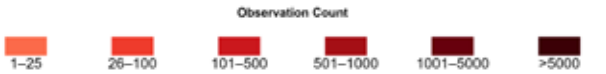
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

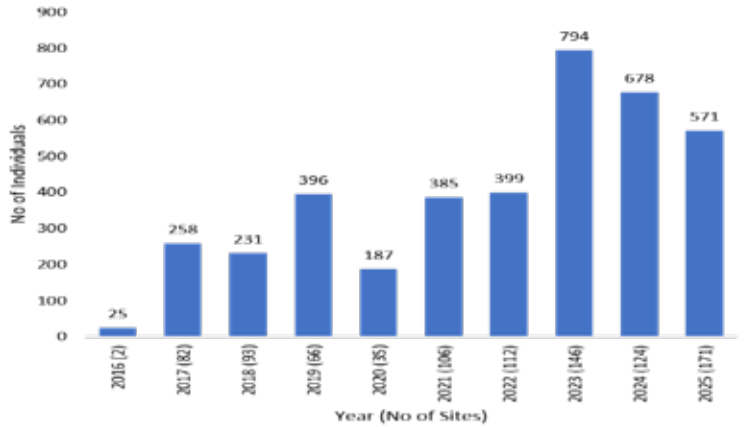


# Red-wattled Lapwing

*Vanellus indicus*

ചെങ്കണ്ണി തിത്തിരി

RehanaAlpha



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

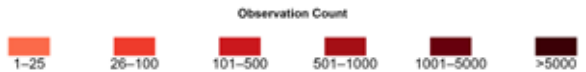
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

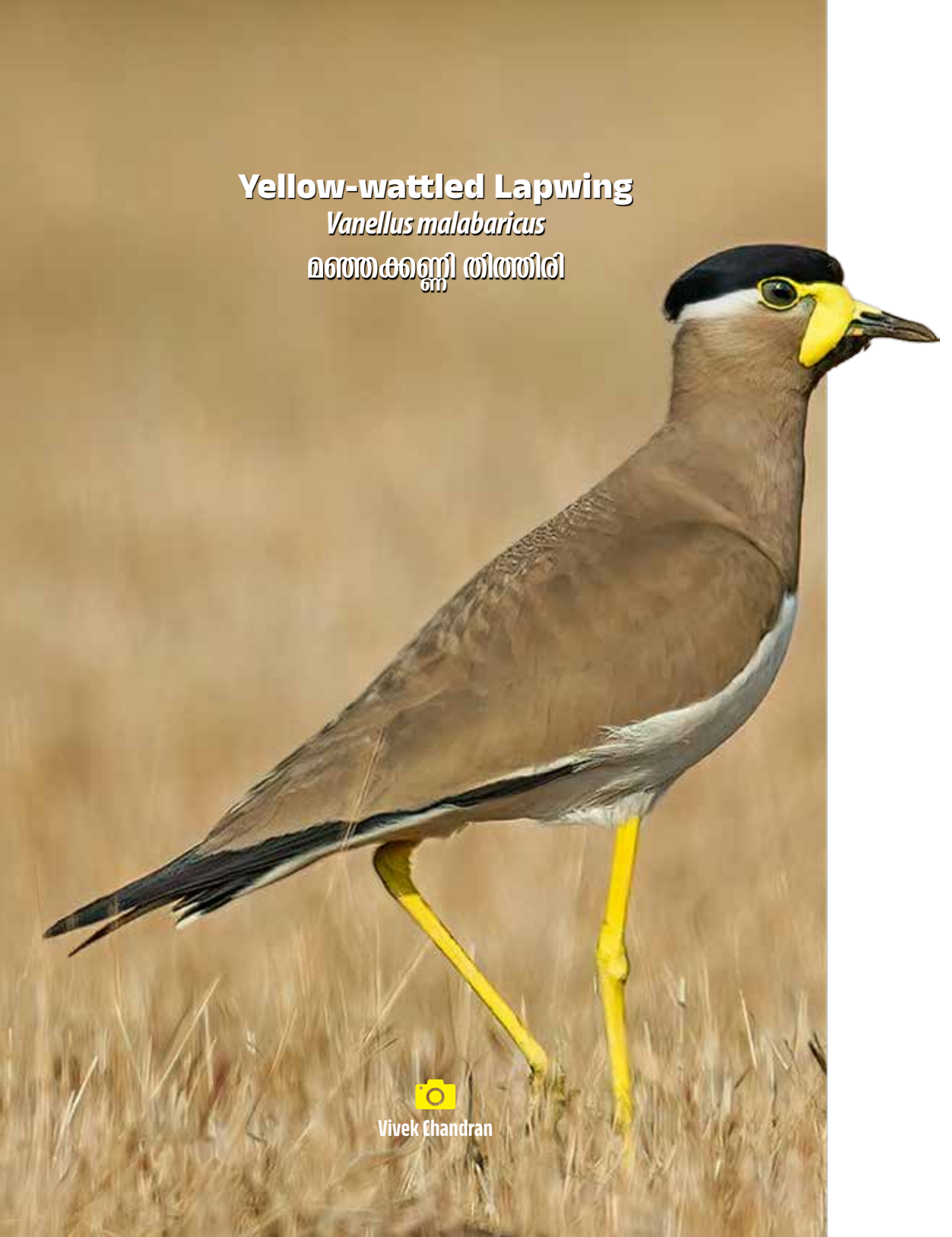
Protection Schedule (WLPA): II



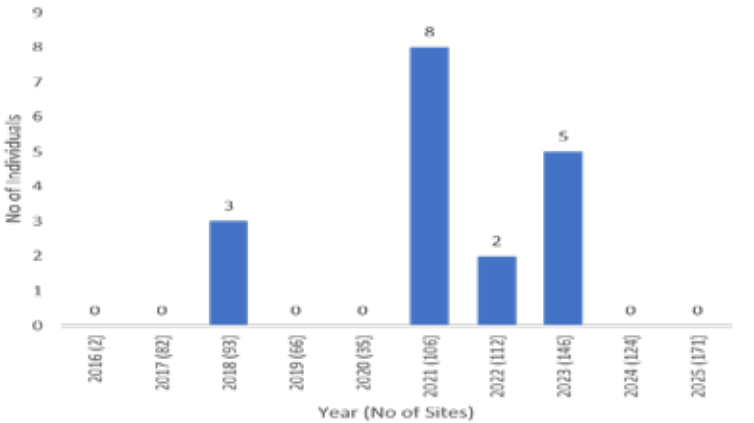
# Yellow-wattled Lapwing

*Vanellus malabaricus*

മഞ്ഞക്കണ്ണി തിത്തിരി



Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

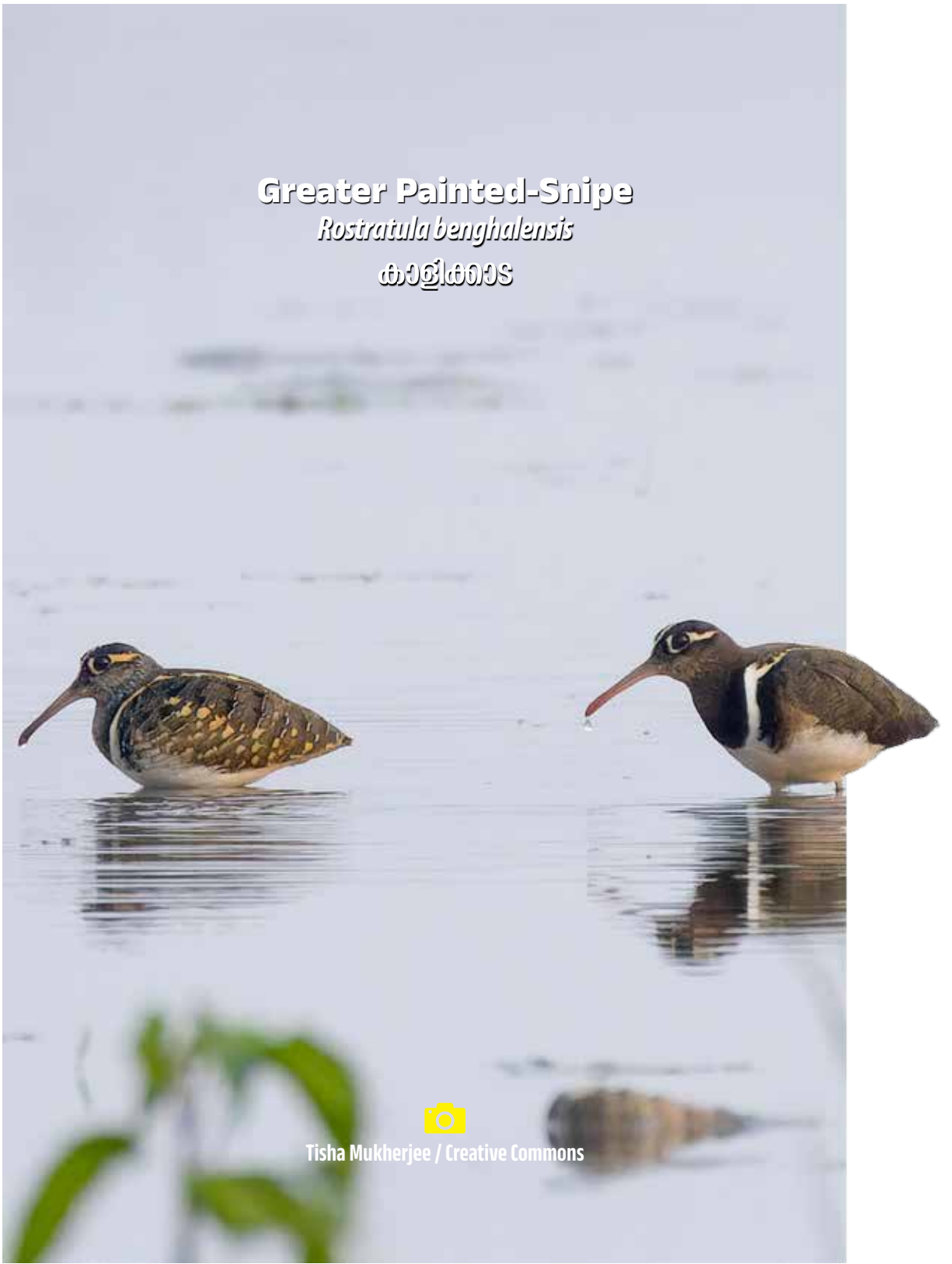
Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II

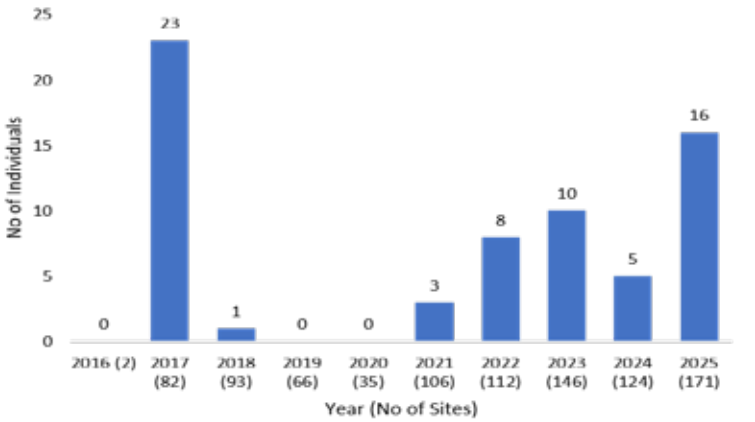
# Greater Painted-Snipe

*Rostratula benghalensis*

കാളിക്കാട



Tisha Mukherjee / Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

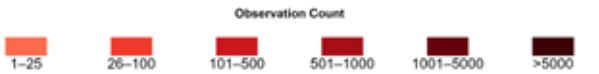
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II

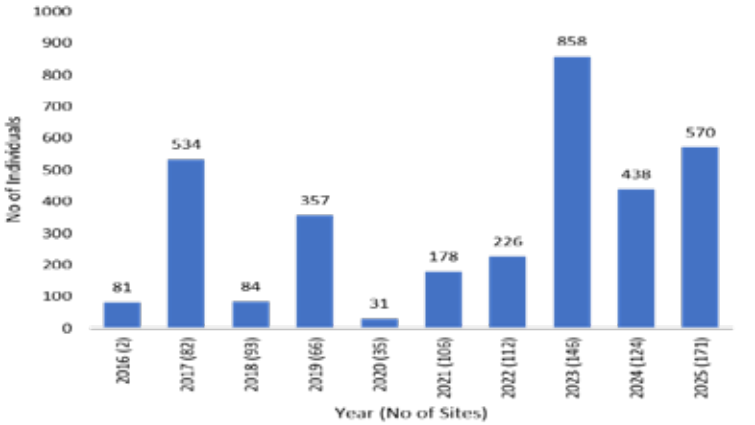


# Pheasant-tailed Jacana

*Hydrophasianus chirurgus*

വാലൻ താമരക്കോഴി

Renju Raju



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

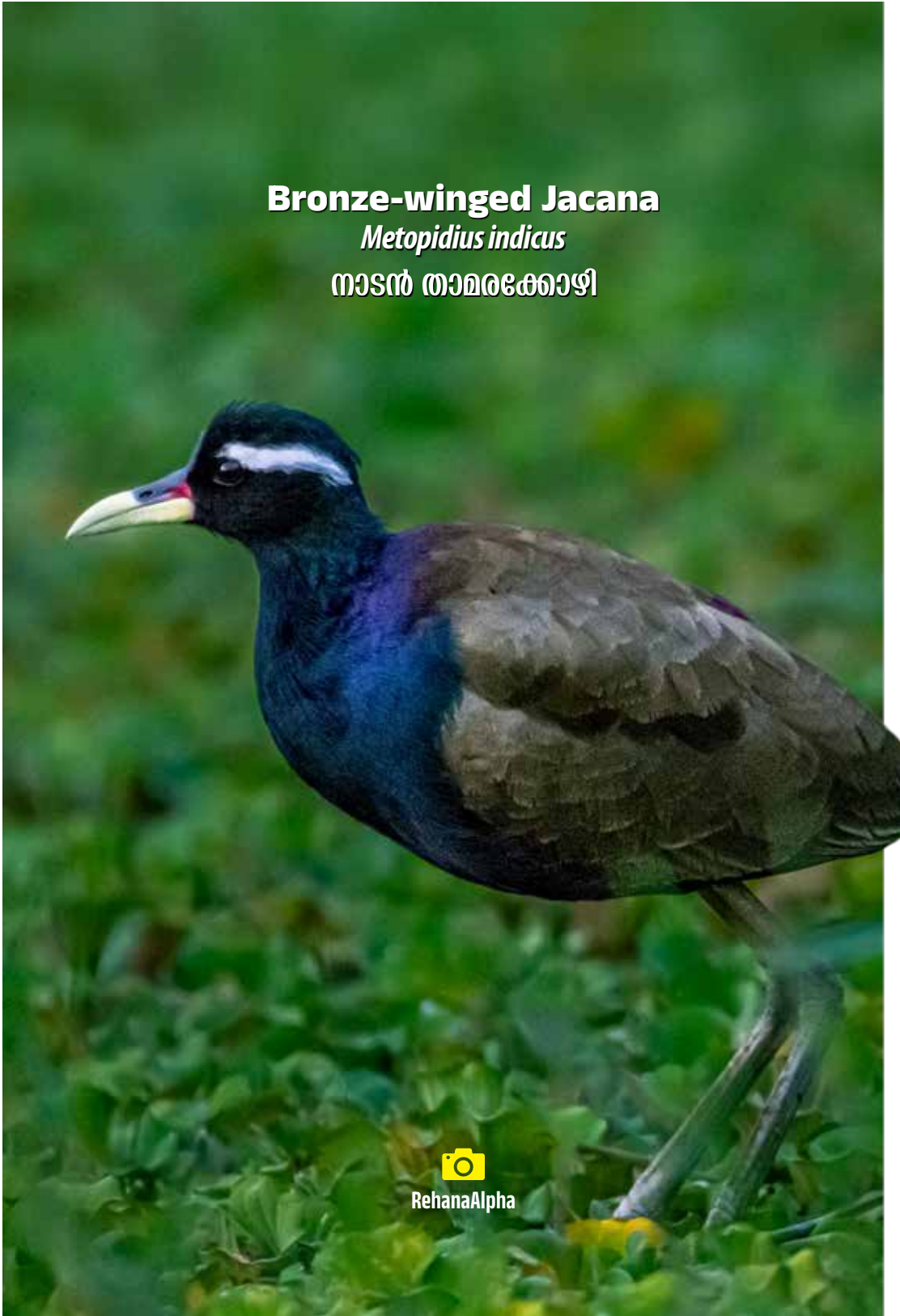
Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

Protection Schedule (WLPA): II

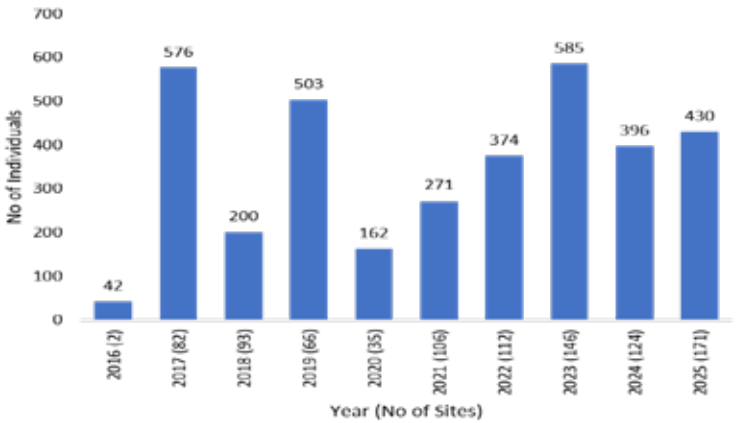
# Bronze-winged Jacana

*Metopidius indicus*

നാടൻ താമരക്കോഴി



RehanaAlpha



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

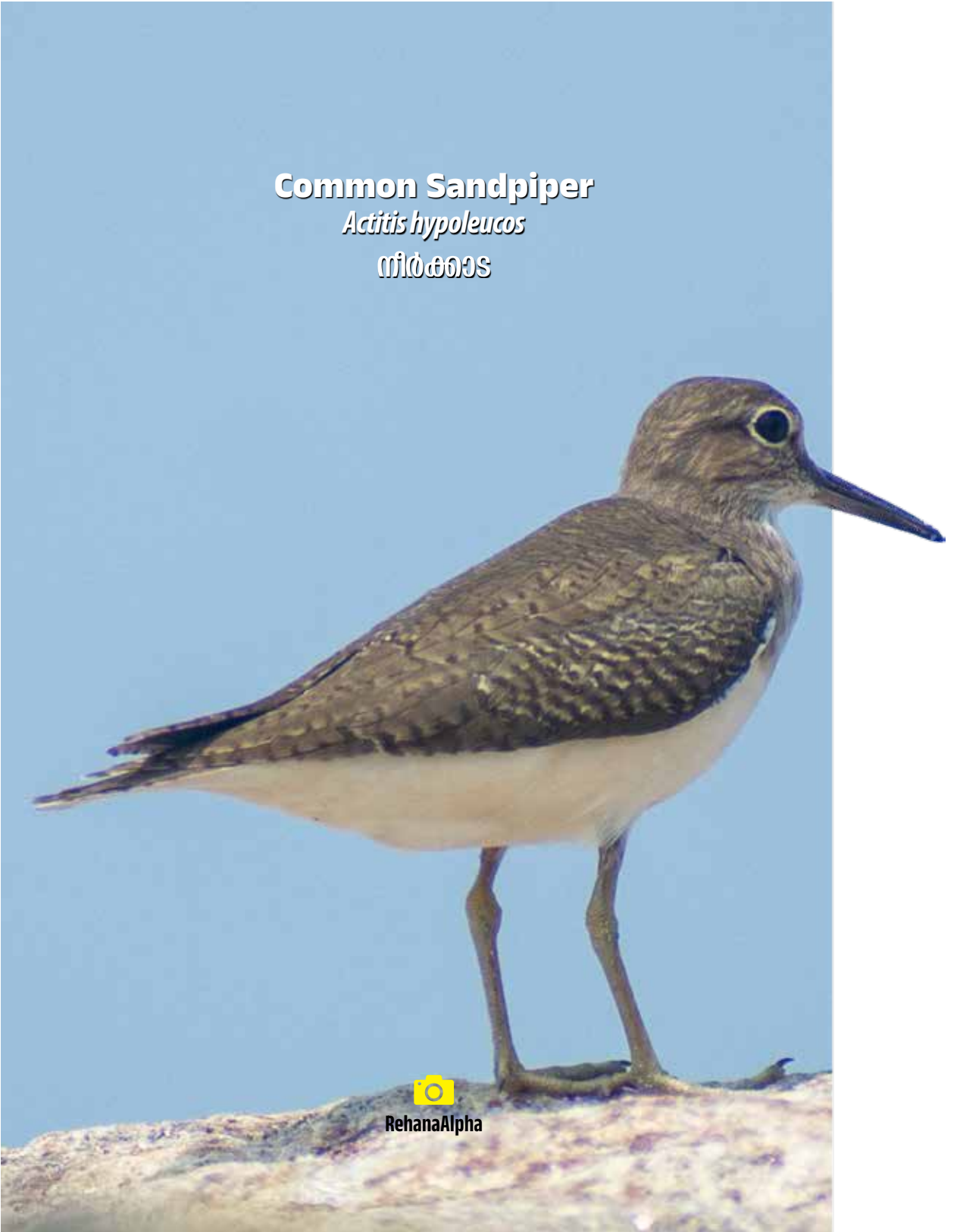
Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II

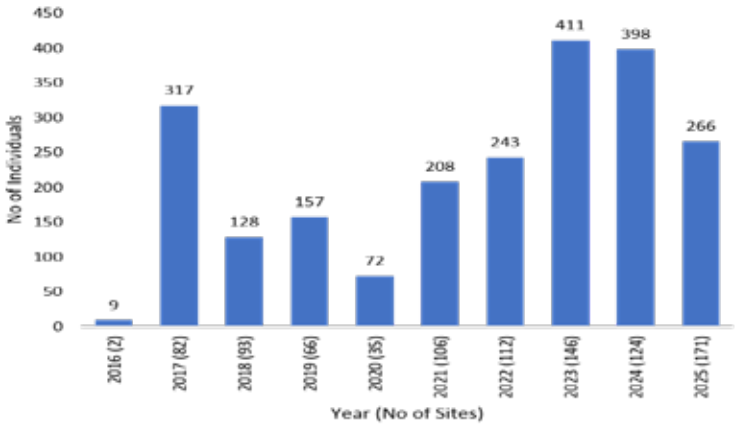
# Common Sandpiper

*Actitis hypoleucos*

നീർക്കാട



RehanaAlpha



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

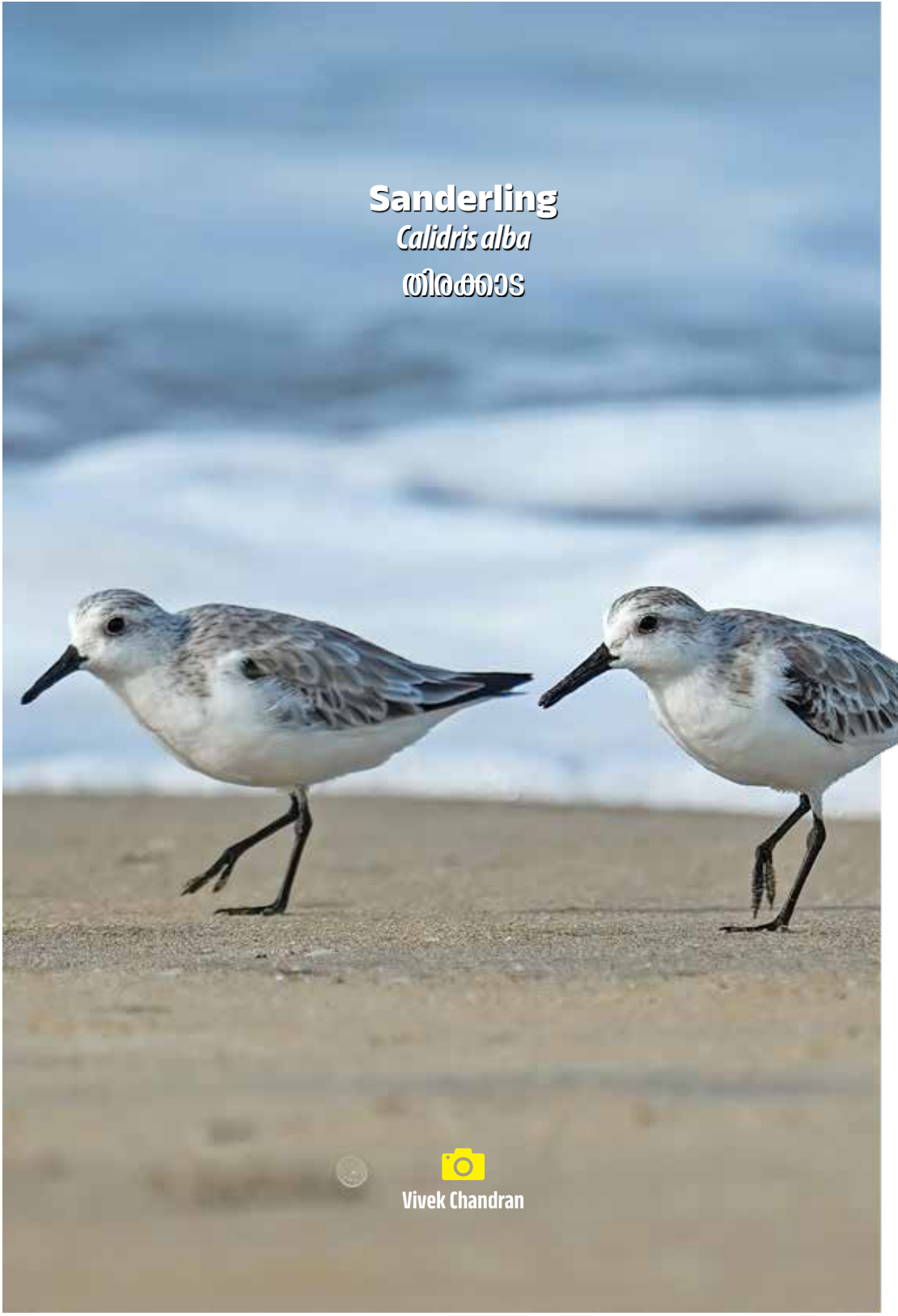
Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

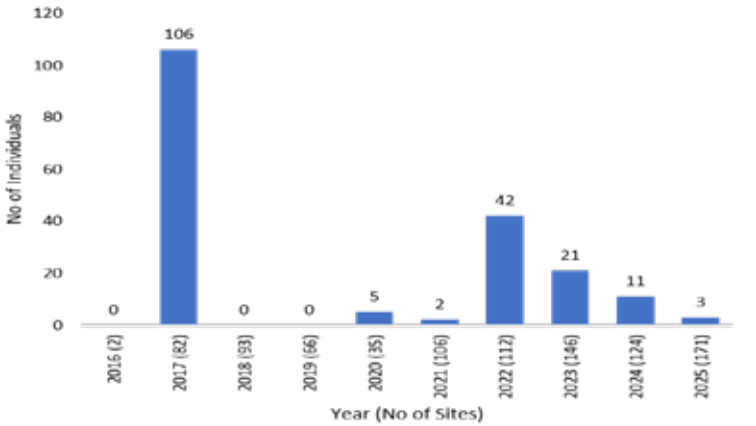
# Sanderling

*Calidris alba*

തിരമാടൻ



Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

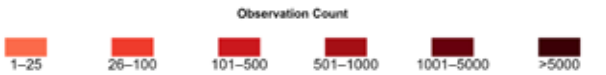
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

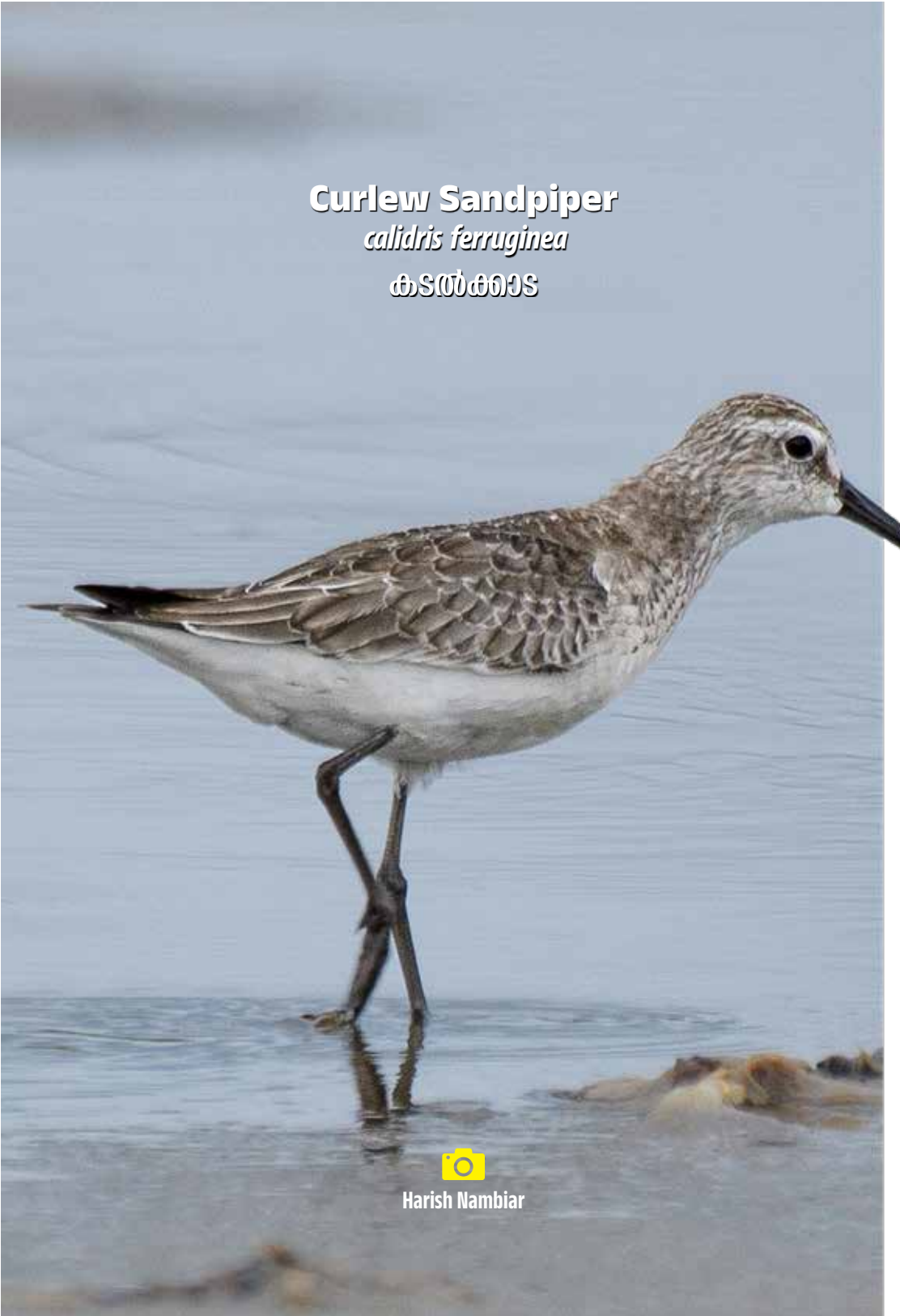
Protection Schedule (WLPA): II CMS Appendix: II



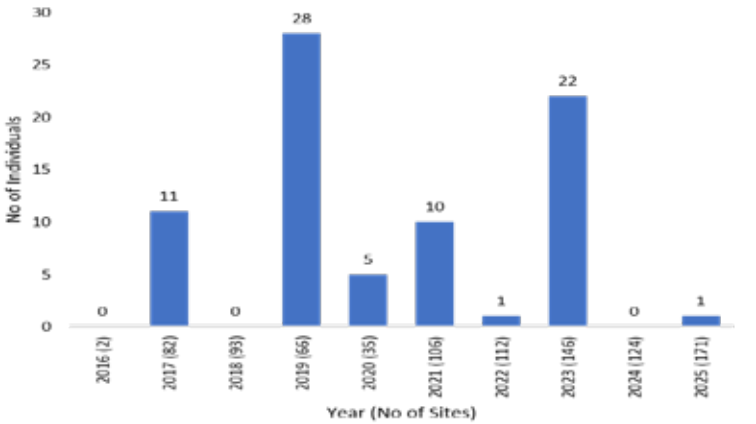
# Curlew Sandpiper

*calidris ferruginea*

കടൽക്കാട



Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): VU

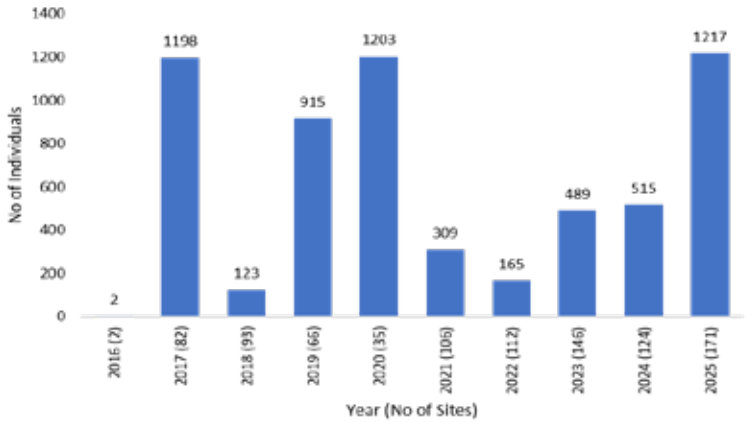
Protection Schedule (WLPA): II CMS Appendix: II

# Little Stint

*Calidris minuta*

കുരുവി മണലൂതി

Arjun Suresh



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

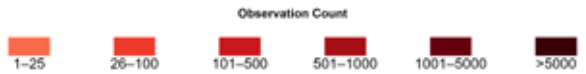
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

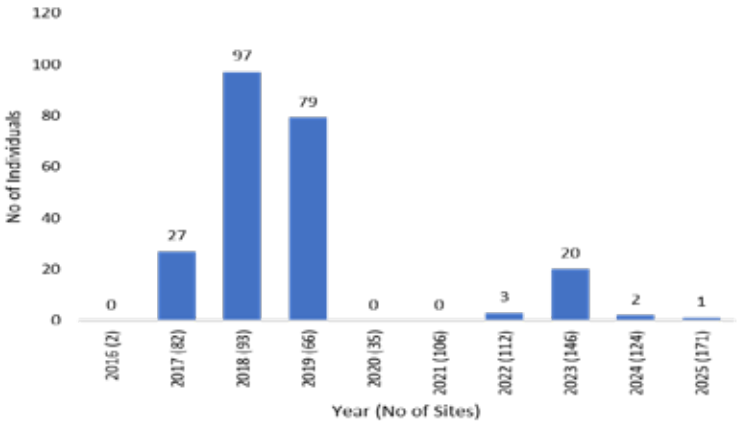


# Ruff

*Calidris pugnax*

ബഹുവർണ്ണൻ മണലൂതി

Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

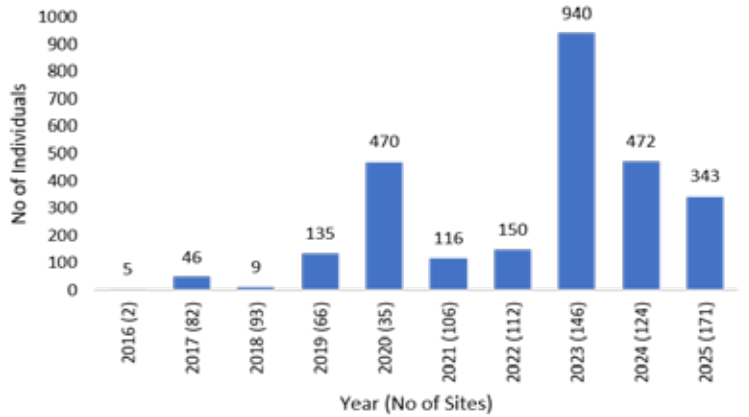
Protection Schedule (WLPA): II CMS Appendix: II

# Temminck's Stint

*Calidris temminckii*

ടെമ്മിങ്കി മണലൂതി

Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

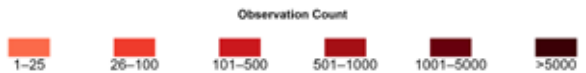
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

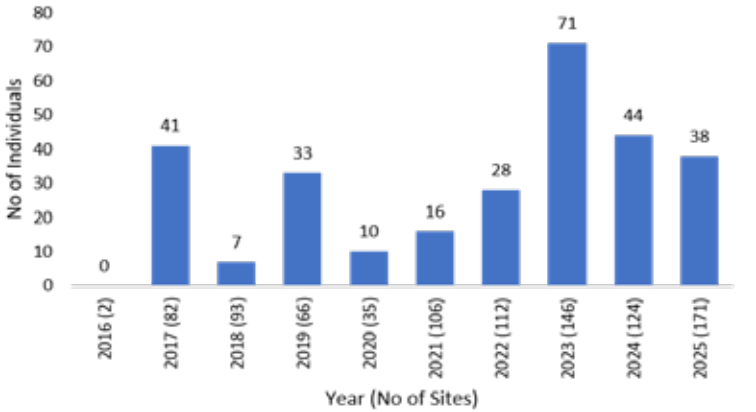


# Common Snipe

*Gallinago Gallinago*

വിശറിവാലൻ ചുണ്ടൻകാട

Shino Jacob Koottanad/ Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

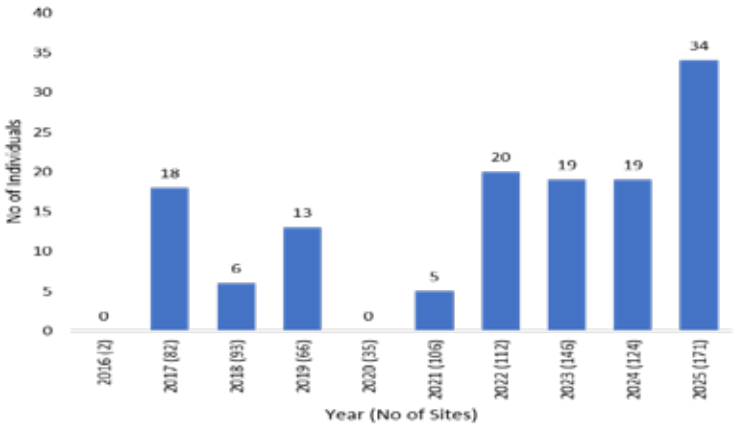
Protection Schedule (WLPA): II CMS Appendix: II

# Pin-tailed Snipe

*Gallinago stenura*

മുൾവാലൻ ചുണ്ടൻകാട

Shino Jacob Koottanad/ Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

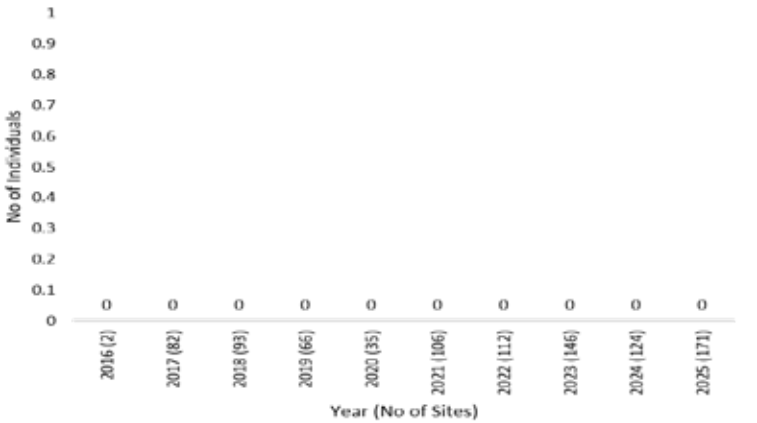
Protection Schedule (WLPA): II CMS Appendix: II

# Asian Dowitcher

*Limnodromus semipalmatus*

ചേർക്കോട

Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

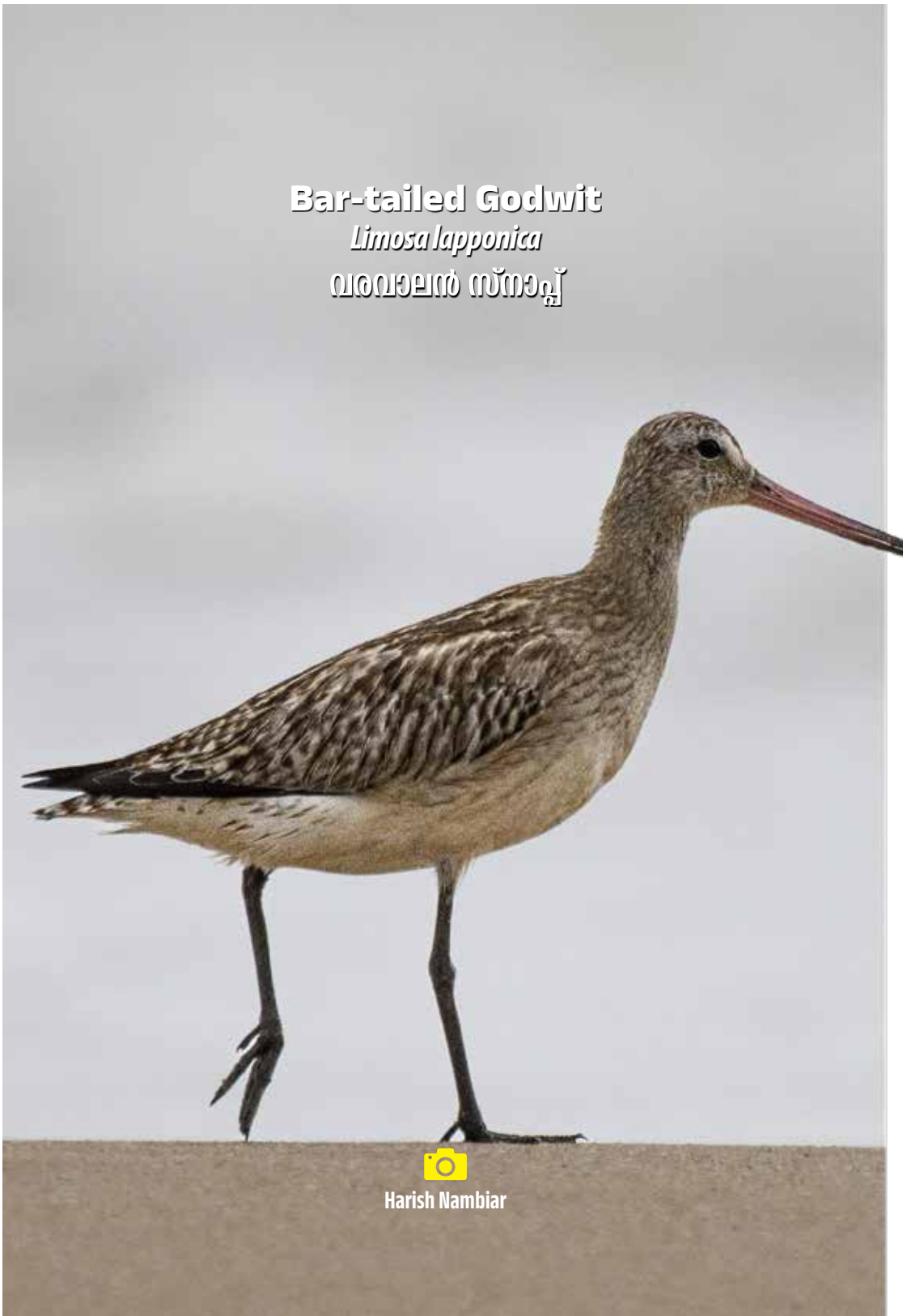
Threat Status (IUCN): NT

Protection Schedule (WLPA): II CMS Appendix: II

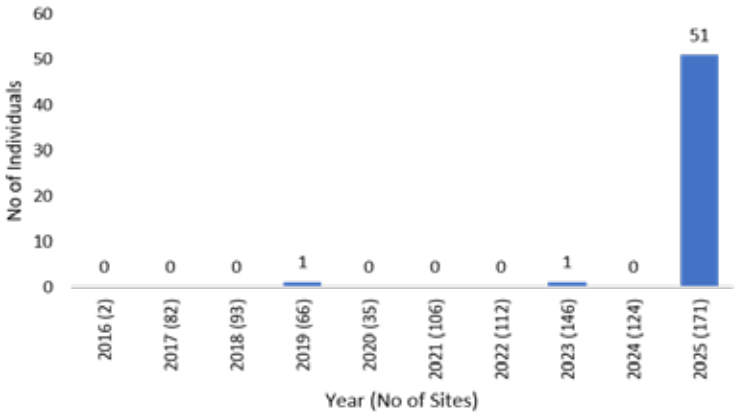
# Bar-tailed Godwit

*Limosa lapponica*

വരവാലൻ സ്നാപ്പ്



Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

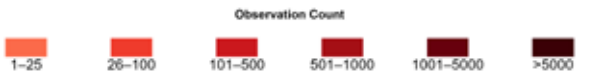
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): NT

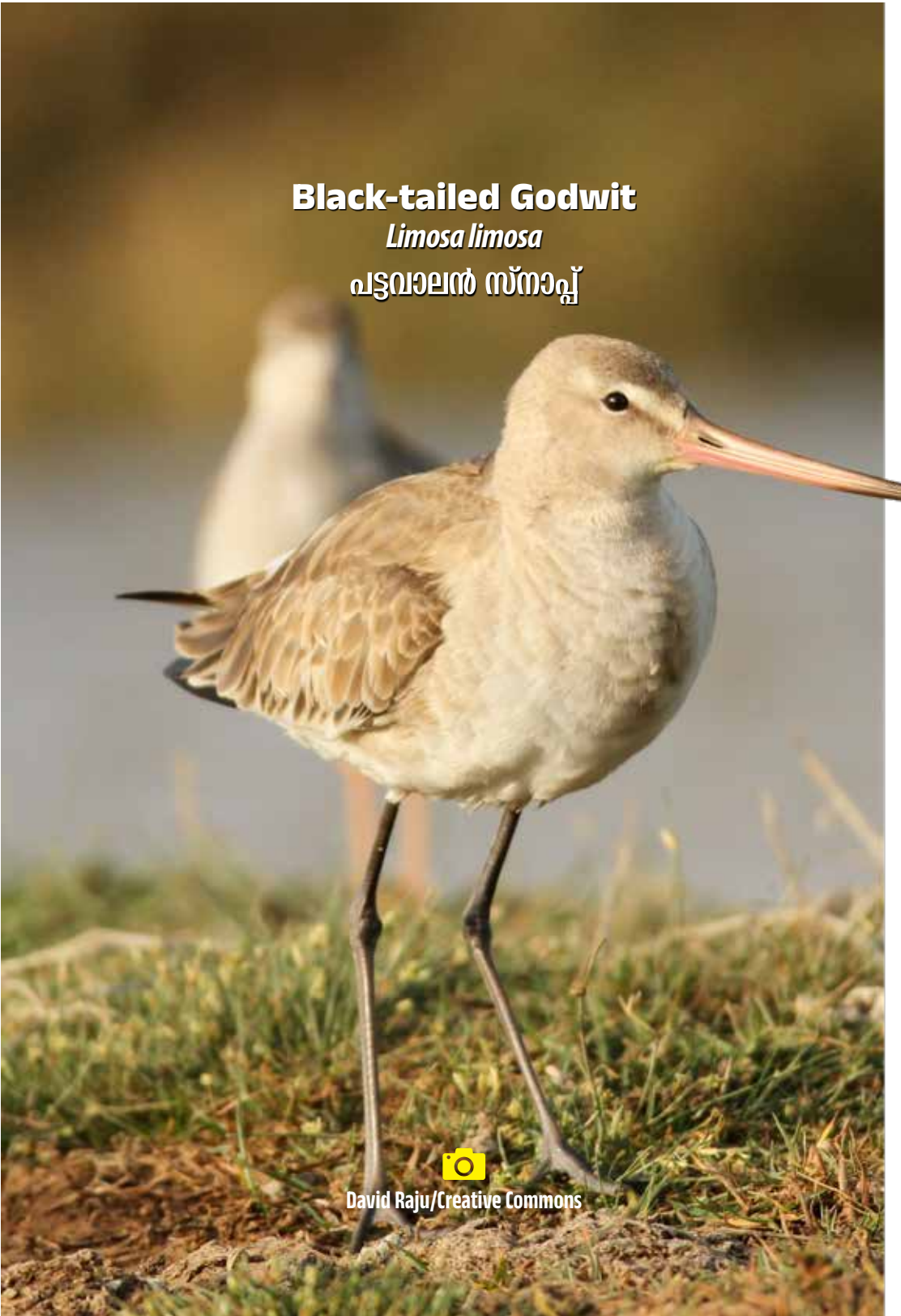
Protection Schedule (WLPA): II CMS Appendix: II



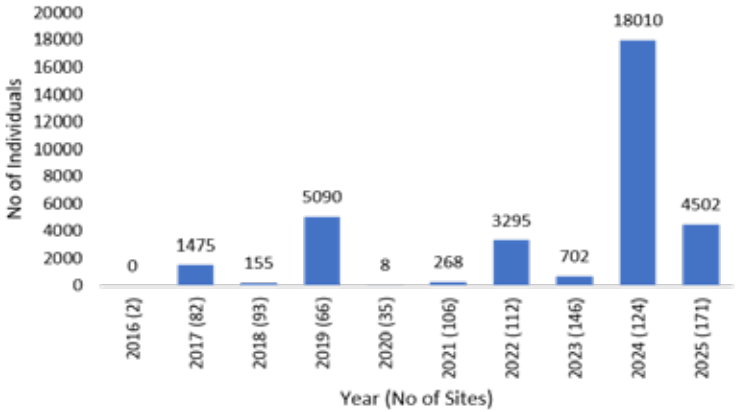
# Black-tailed Godwit

*Limosa limosa*

പട്ടവാലൻ സ്നാപ്പ്



David Raju/Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): NT

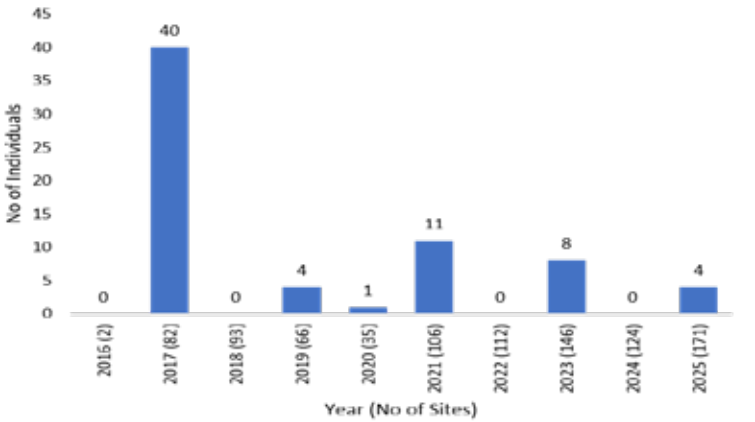
Protection Schedule (WLPA): II CMS Appendix: II

# Eurasian Curlew

*Numenius arquata*

വാൾക്കൊക്കൻ

Tisha Mukherjee/Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

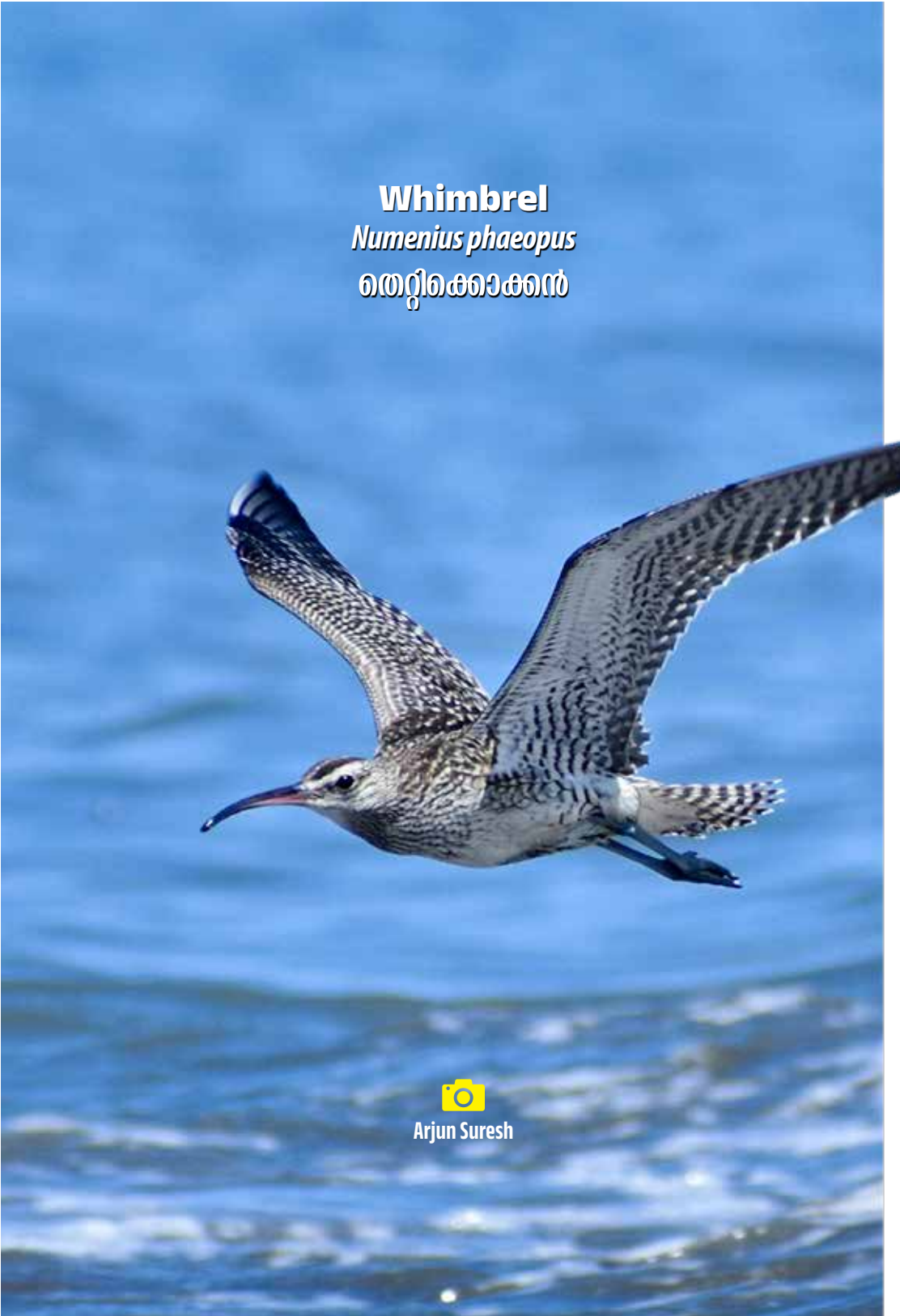
Conservation Priority (SoIB): HIGH Threat Status (IUCN): NT

Protection Schedule (WLPA): II CMS Appendix: II

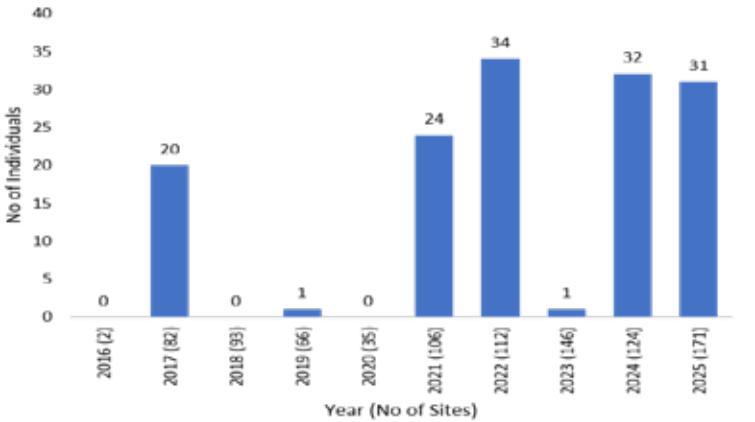
# Whimbrel

*Numenius phaeopus*

തെറ്റിക്കൊക്കൻ



Arjun Suresh



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

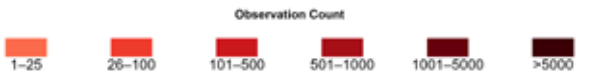
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): NT

Protection Schedule (WLPA): II CMS Appendix: II

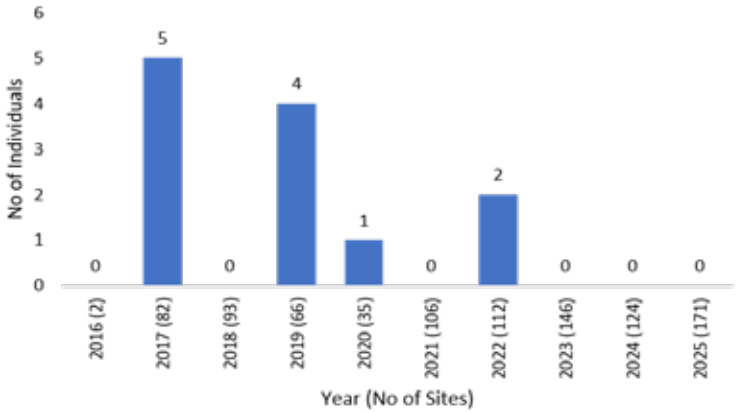


# Spotted Redshank

*Tringa erythropus*

പുള്ളി ചോരക്കാലി

Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

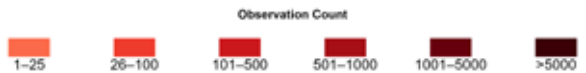
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

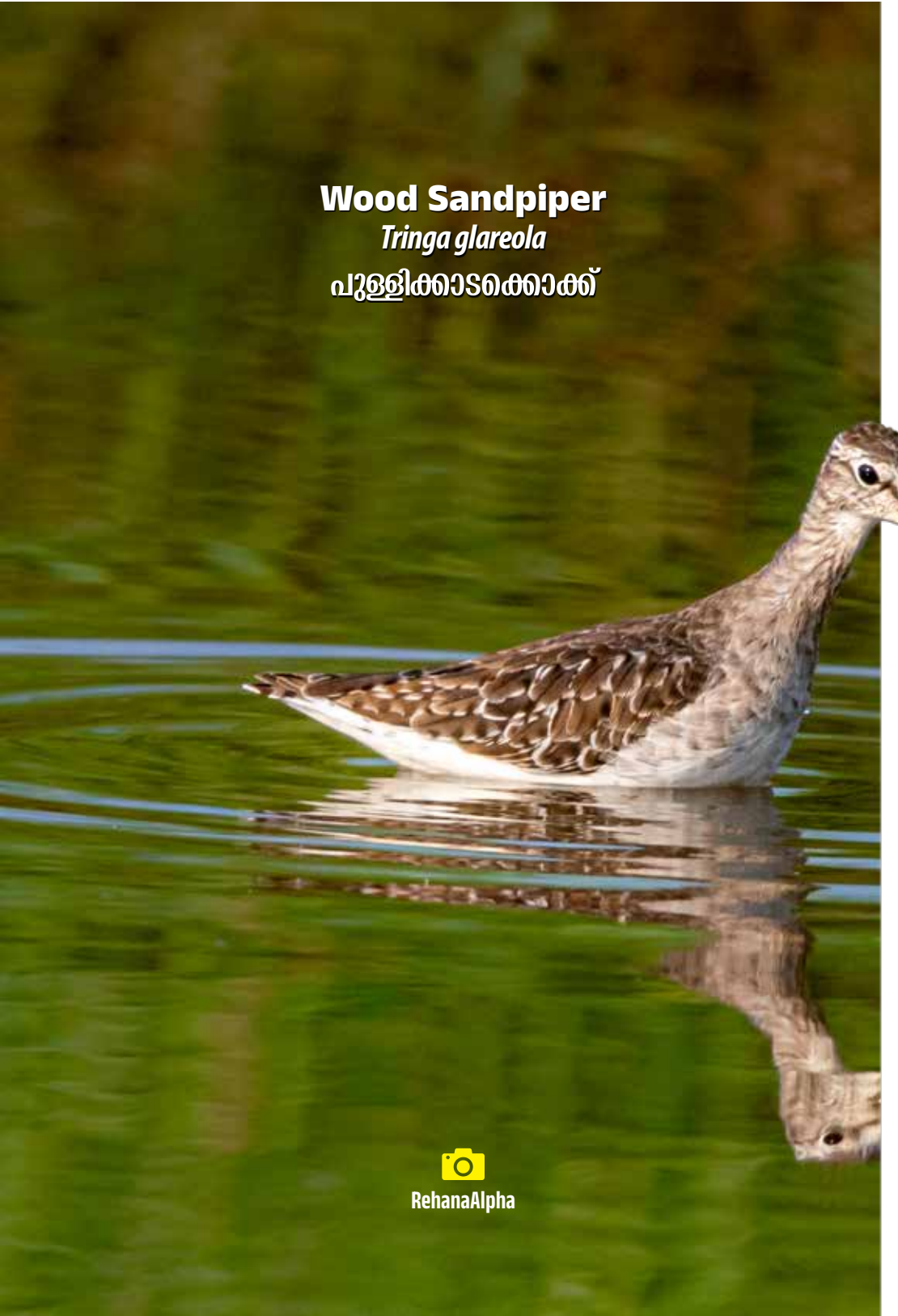
Protection Schedule (WLPA): II CMS Appendix: II



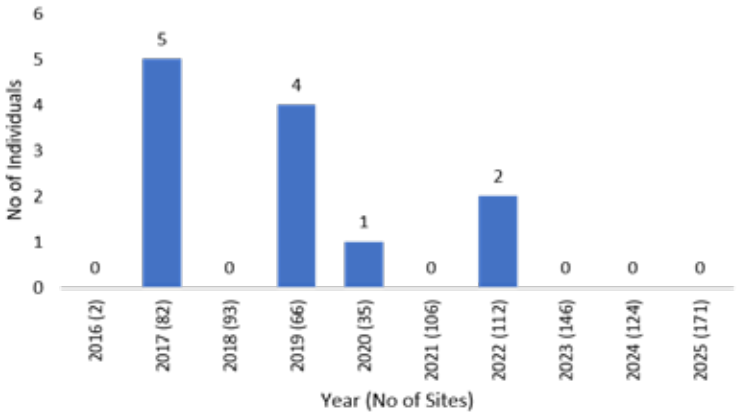
# Wood Sandpiper

*Tringa glareola*

പുള്ളിക്കാടക്കൊക്ക്



RehanaAlpha



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

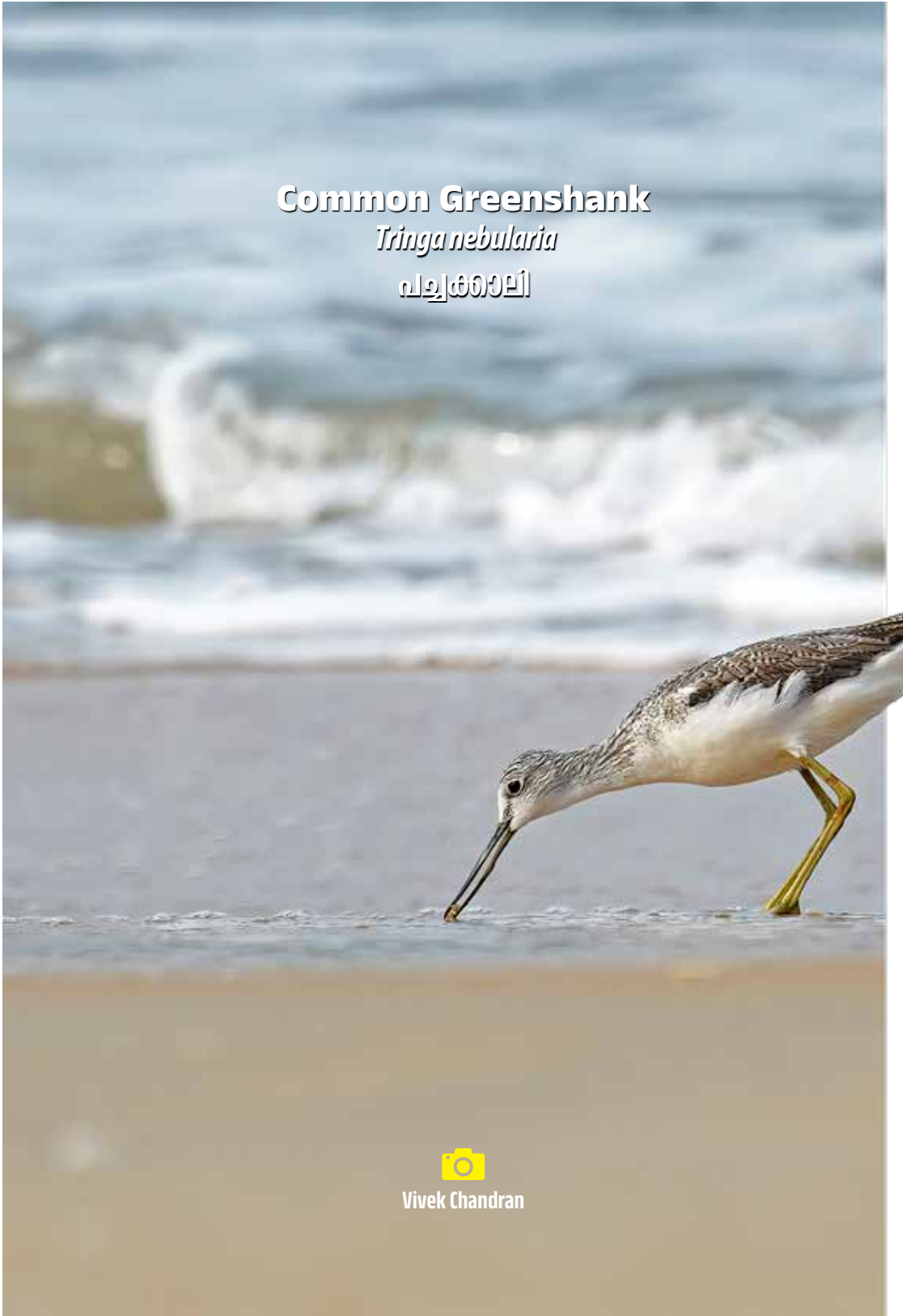
Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

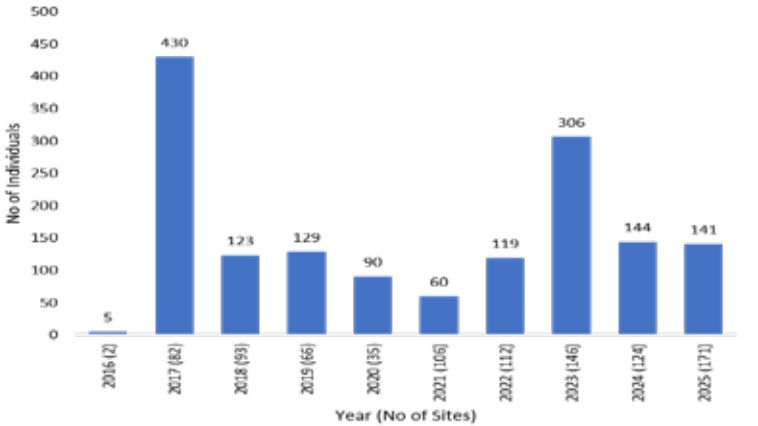
# Common Greenshank

*Tringa nebularia*

വാലുകുത്തി



Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

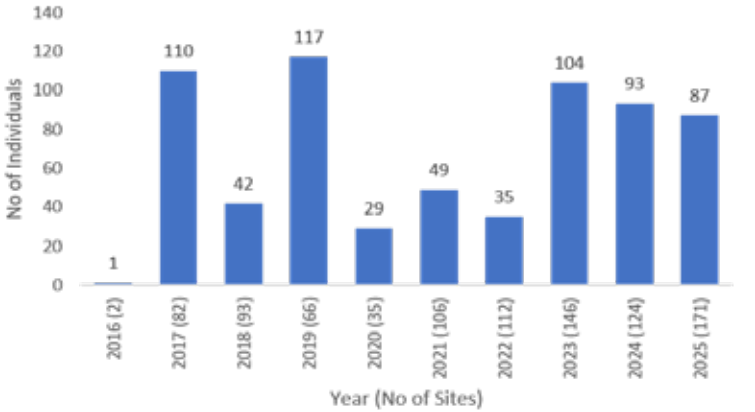
Protection Schedule (WLPA): I CMS Appendix: II

# Green Sandpiper

*Tringa ochropus*

കരിമ്പൻ കാടക്കൊക്ക്

Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

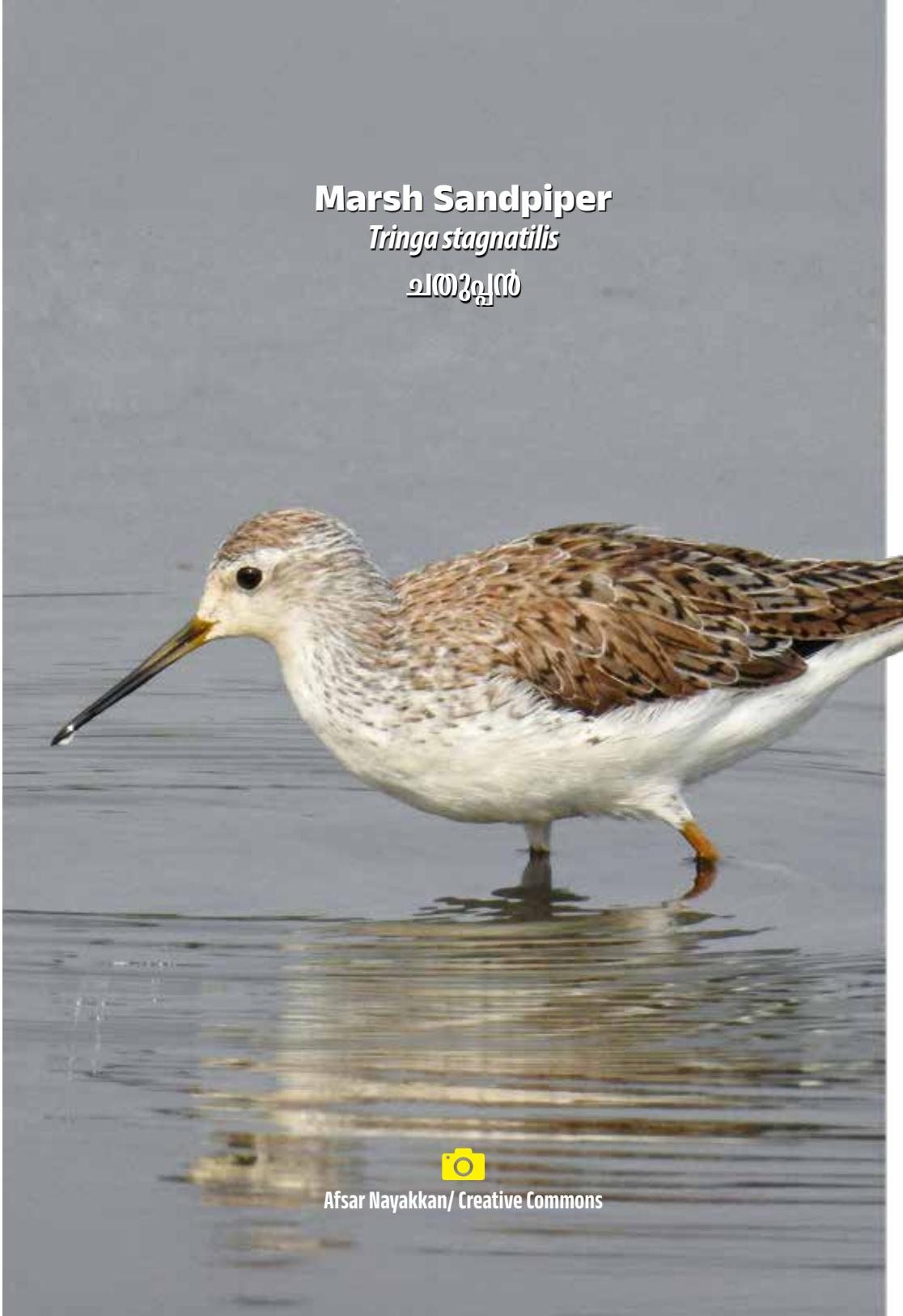
Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

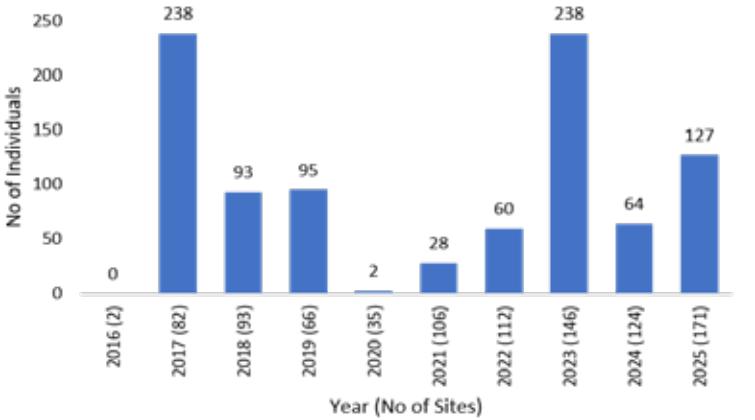
# Marsh Sandpiper

*Tringa stagnatilis*

ചതുപ്പൻ



Afsar Nayakkan/ Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

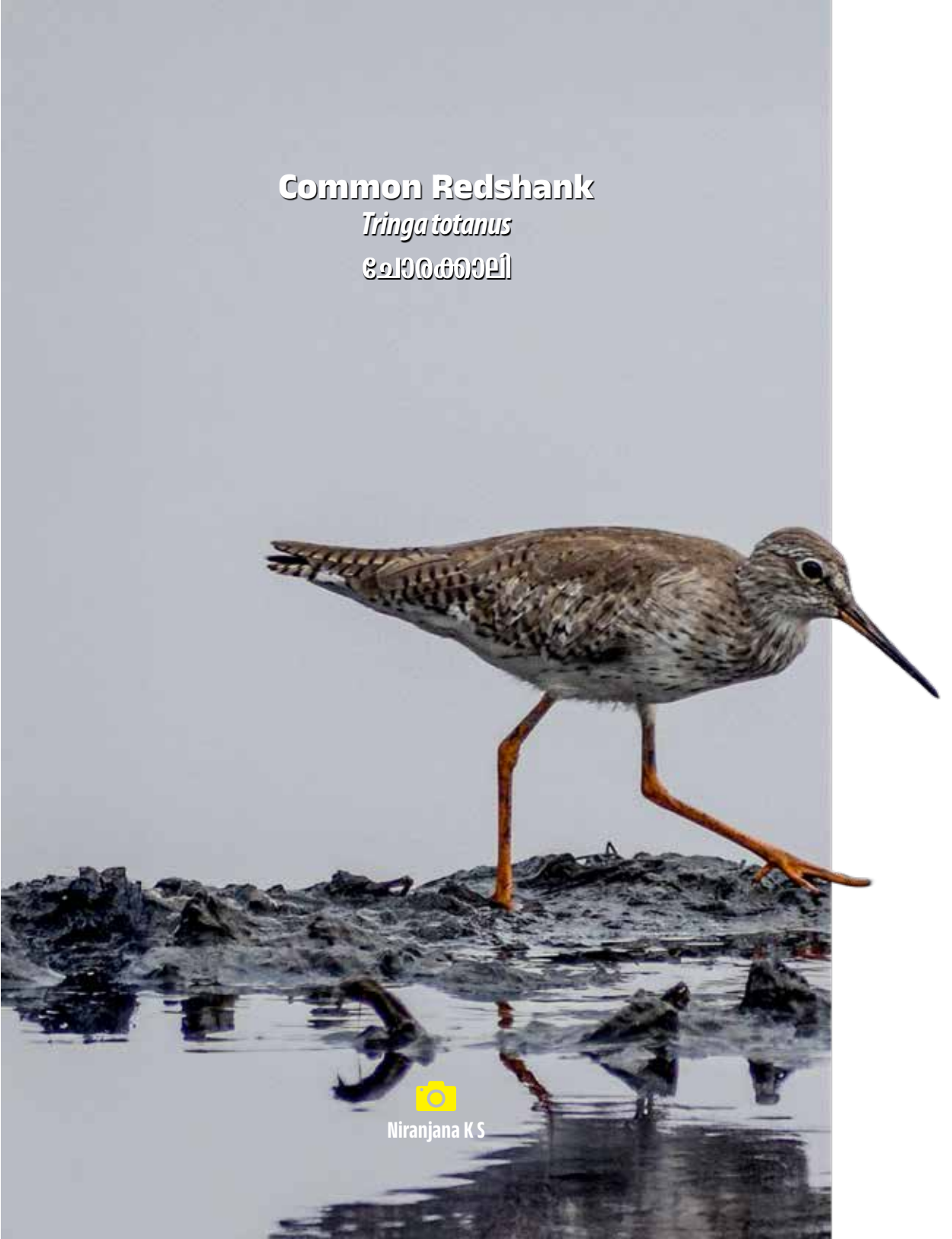
Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

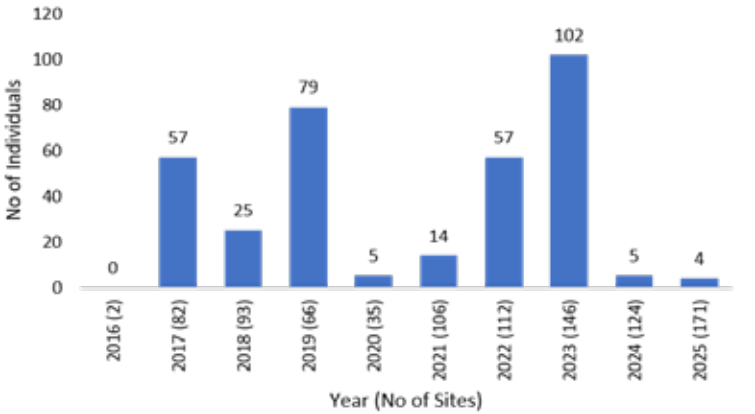
# Common Redshank

*Tringa totanus*

ചോരക്കാലി



Niranjana K S



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

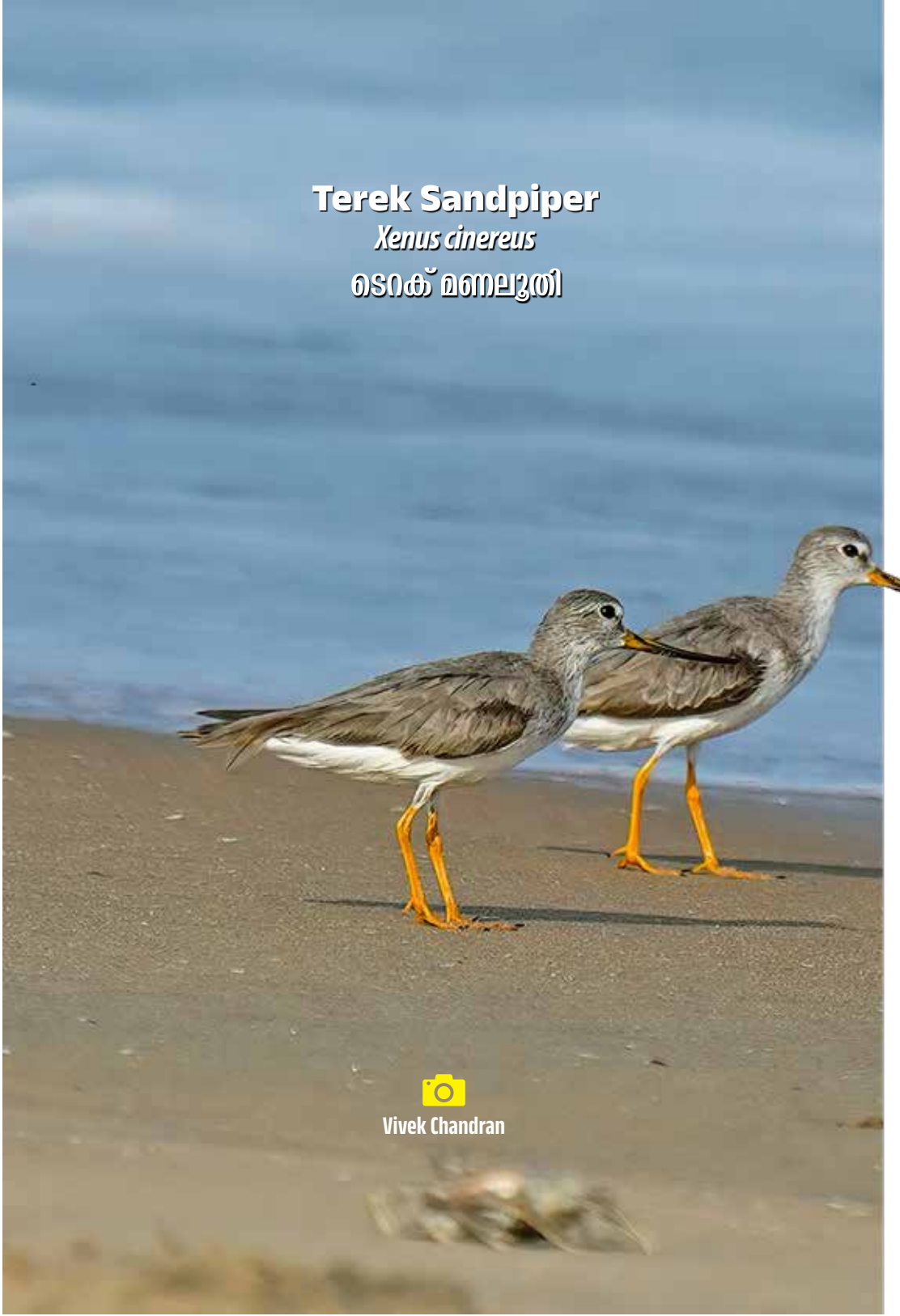
Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

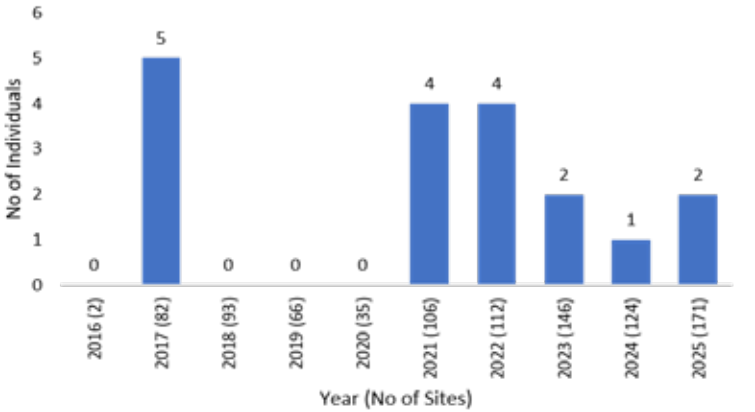
# Terek Sandpiper

*Xenus cinereus*

ടെറക് മണലൂതി



Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

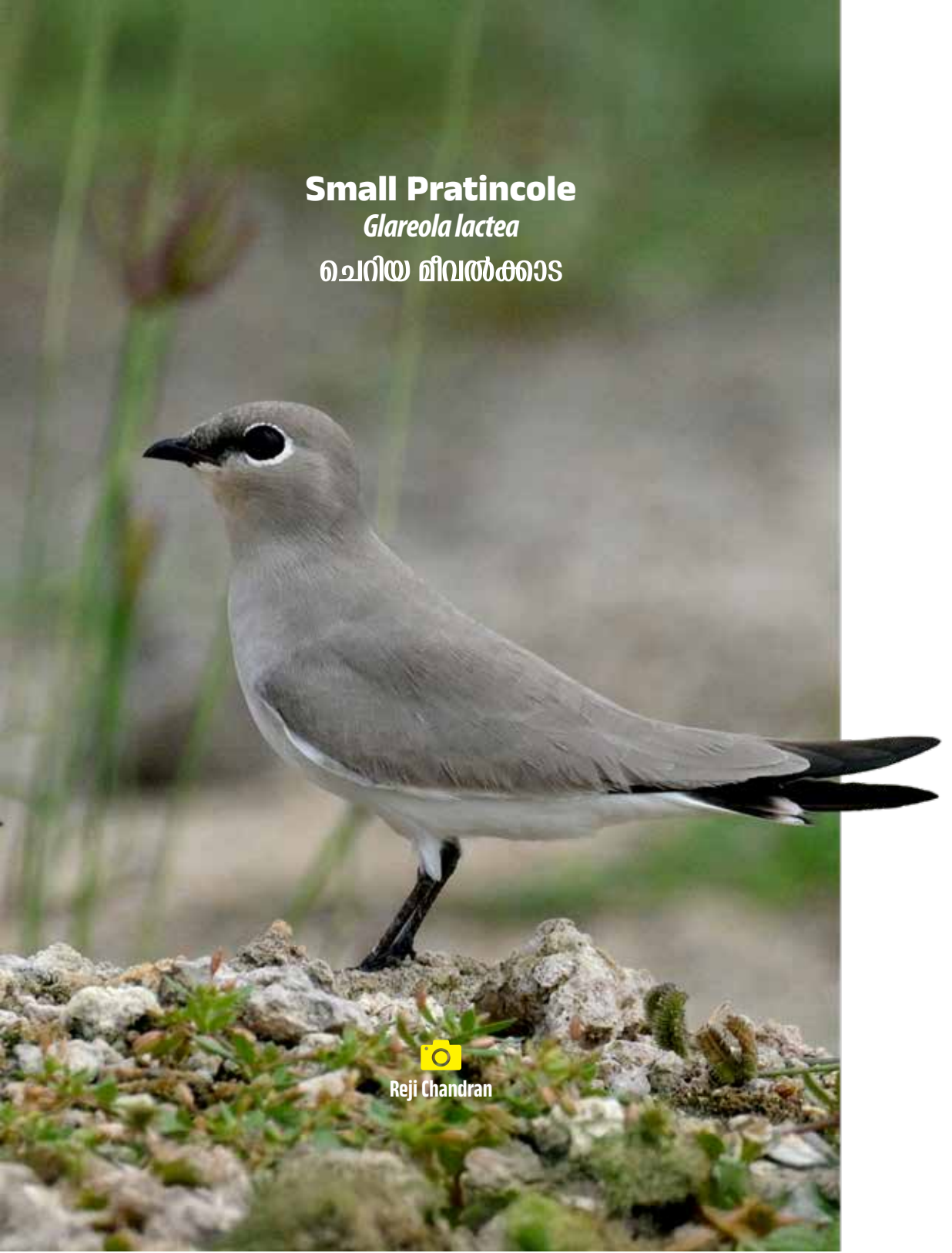
Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

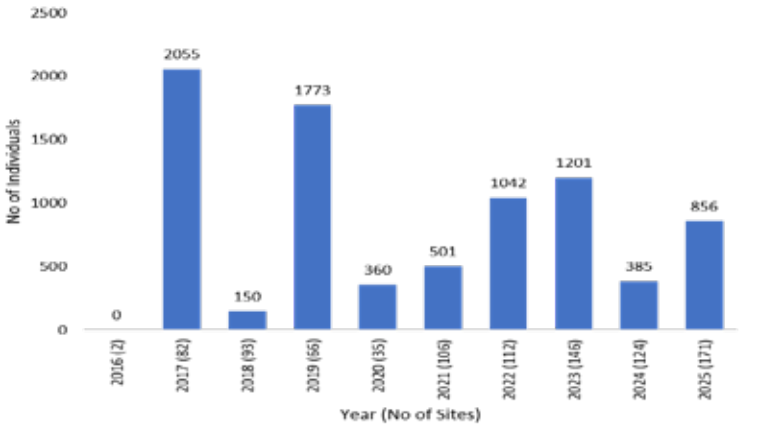
# Small Pratincole

*Glareola lactea*

ചെറിയ മീവൽക്കാട



Reji Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

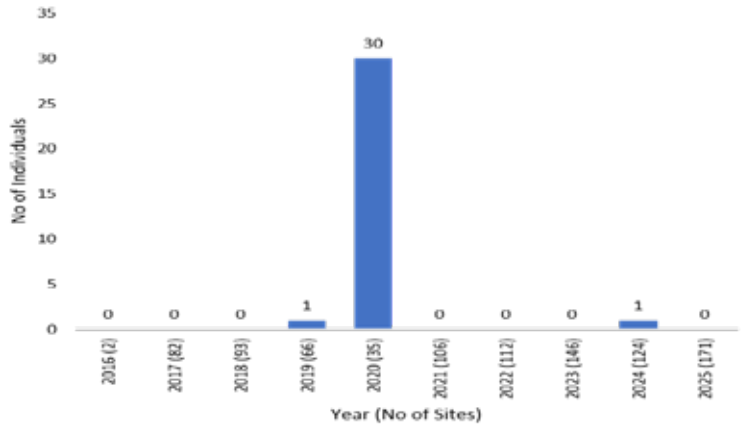
Protection Schedule (WLPA): II

# Oriental Pratincole

*Glareola maldivarum*

വലിയ മീവൽക്കാട.

Tisha Mukherjee / Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

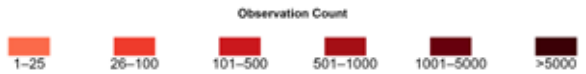
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II

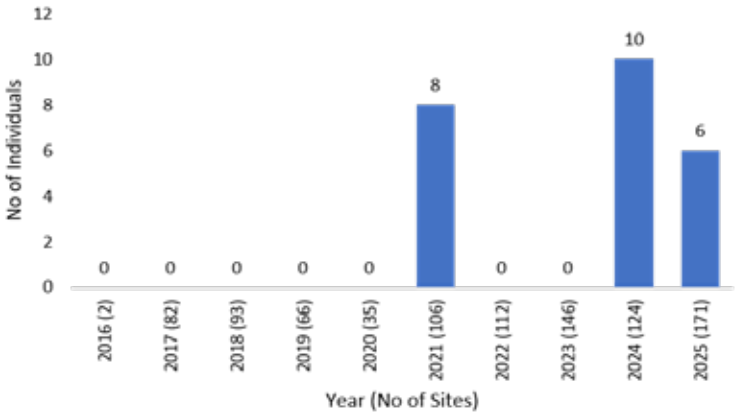


# Collared Pratincole

*Glareola pratincola*

വാലൻ പെരുമ്പിവൽക്കാട

Nishad Eshaal



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

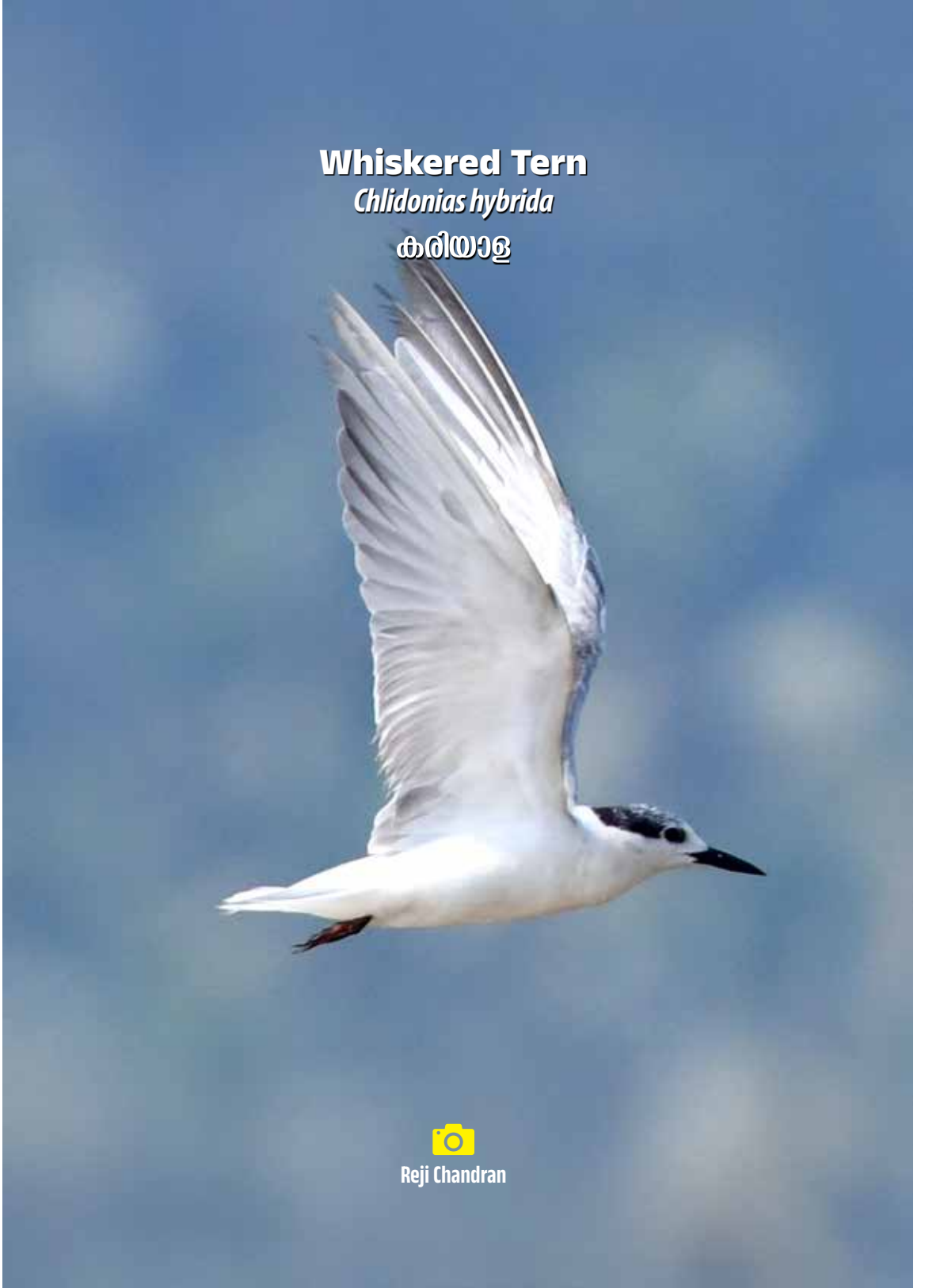
Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

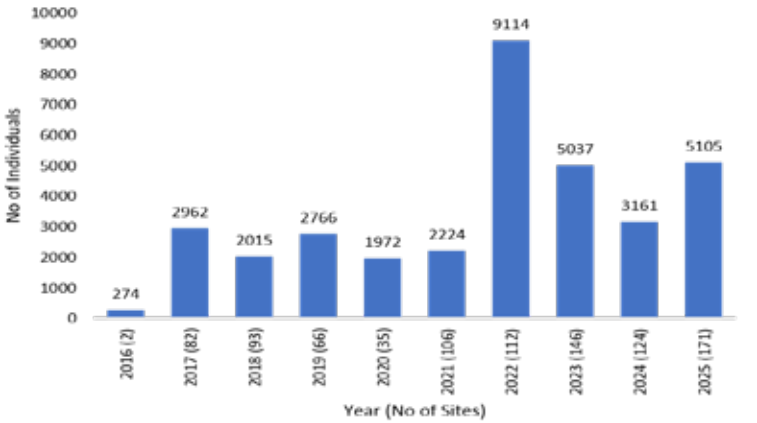
# Whiskered Tern

*Chlidonias hybrida*

കരിയാള



Reji Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

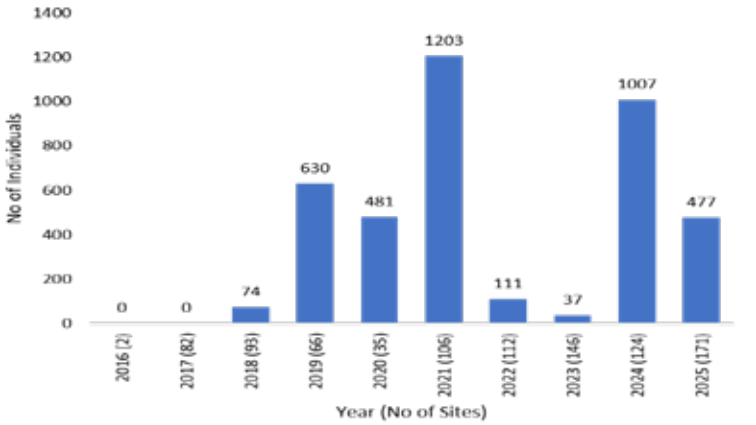
Protection Schedule (WLPA): II

# Brown-headed Gull

*Chroicocephalus brunnicephalus*

തവിട്ടുതലയൻ കടൽക്കാക്ക

Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

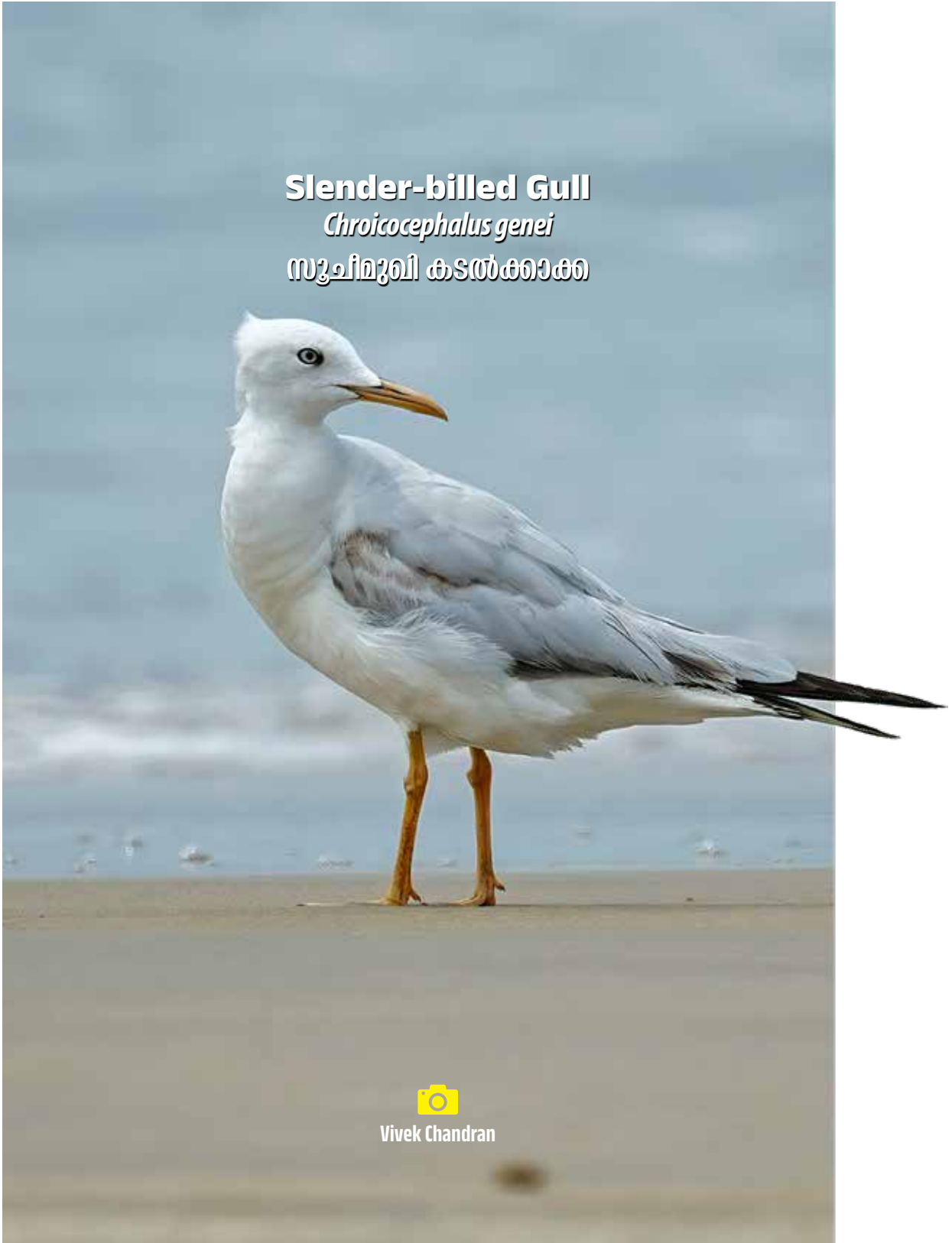
Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): II

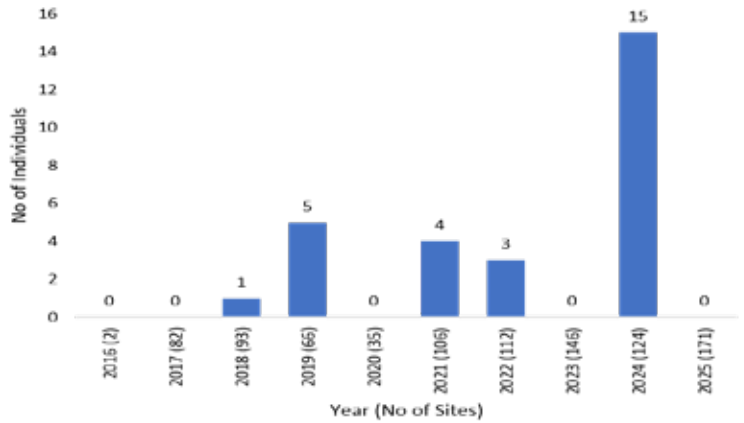
# Slender-billed Gull

*Chroicocephalus genei*

സൂചിമുഖി കടൽക്കാക്ക



Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

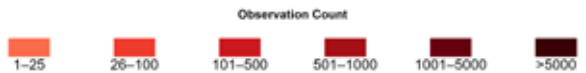
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

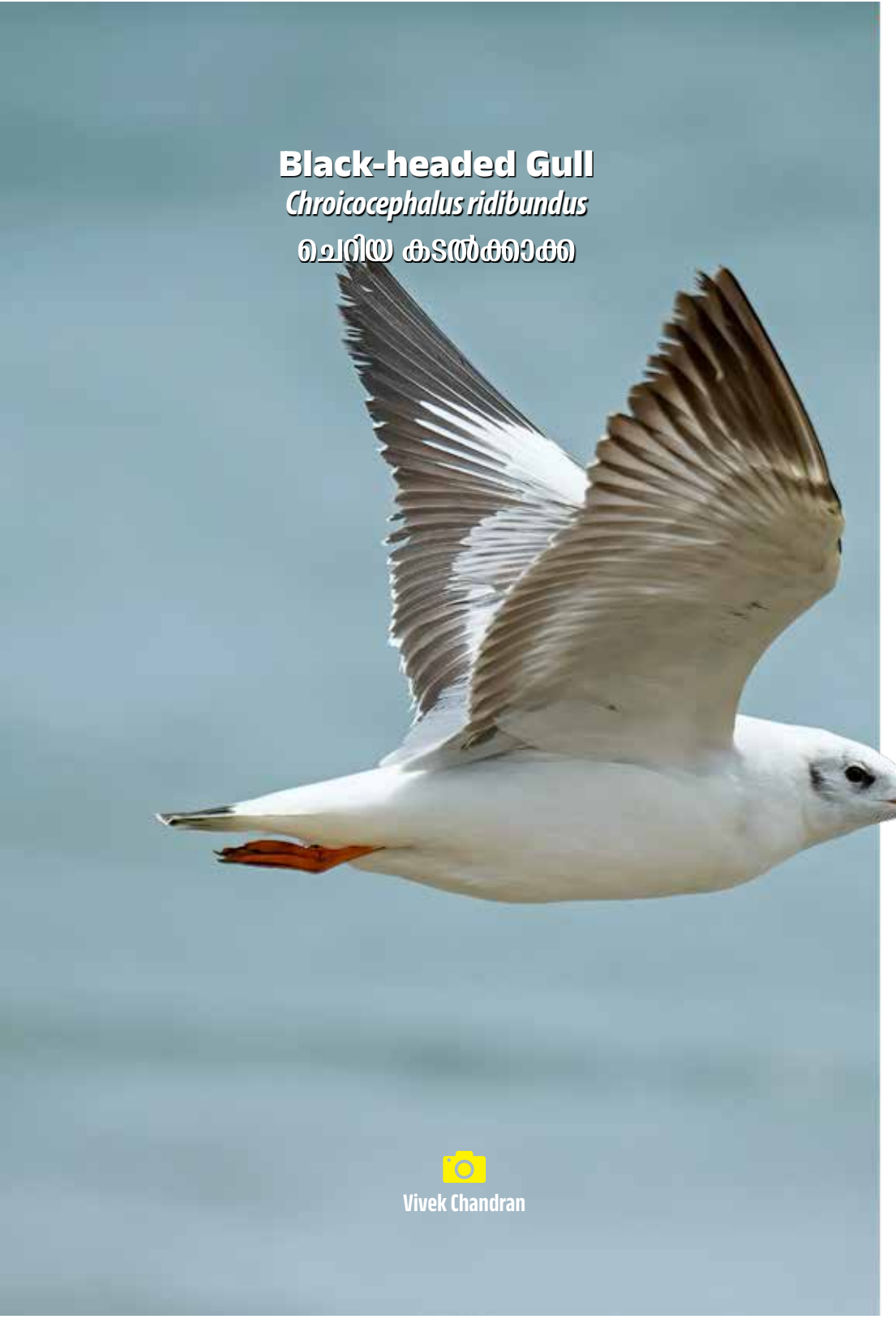
Protection Schedule (WLPA): II CMS Appendix: II



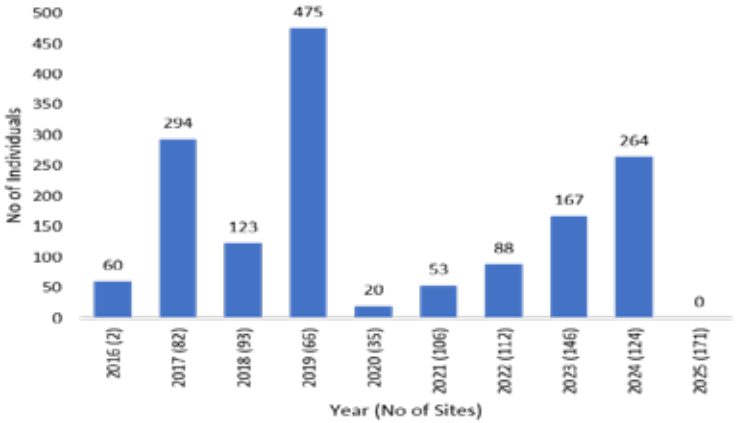
# Black-headed Gull

*Chroicocephalus ridibundus*

ചെറിയ കടൽക്കാക്ക



Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

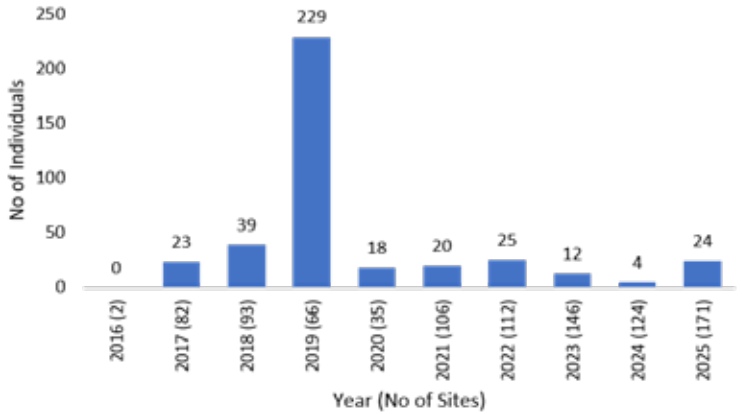
Protection Schedule (WLPA): II

# Gull-billed Tern

*Gelochelidon nilotica*

പാത്തക്കാക്കൻ ആള

Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

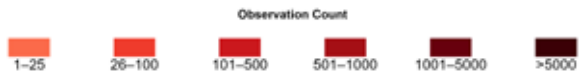
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): I CMS Appendix: II

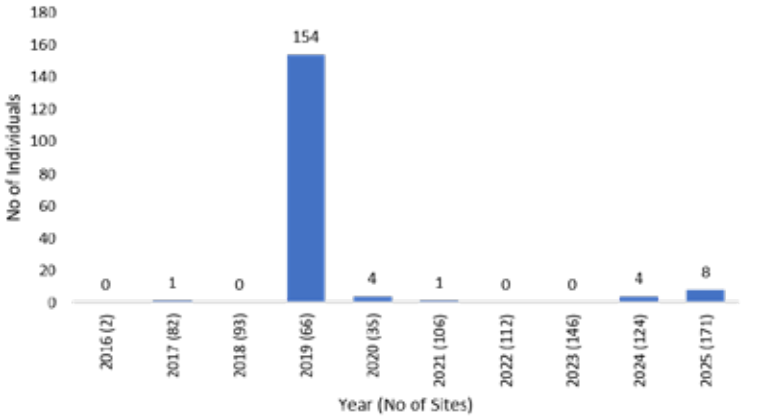


# Caspian Tern

*Hydroprogne caspia*

വലിയ ചെങ്കൊക്കൻ ആള

RehanaAlpha



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

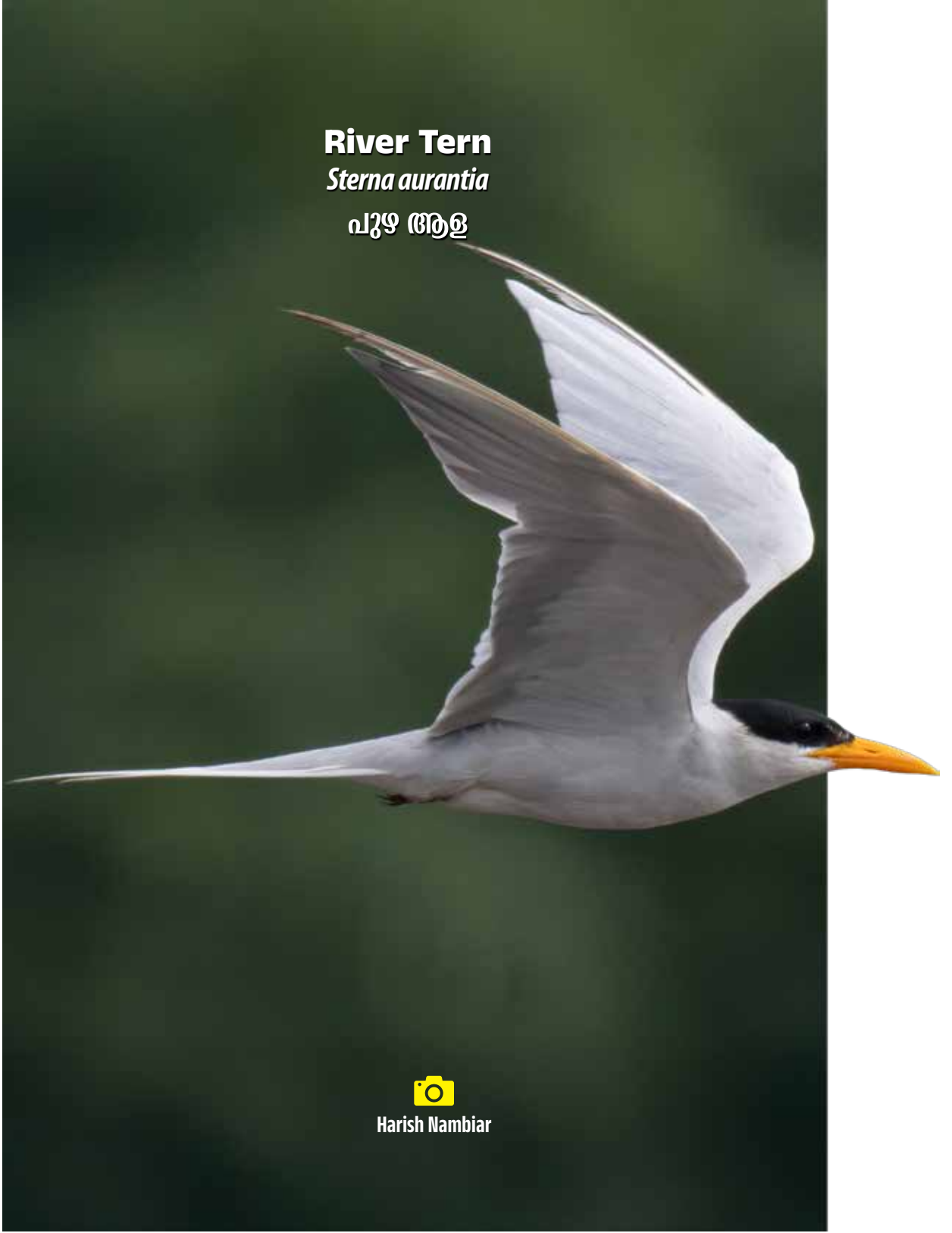
Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

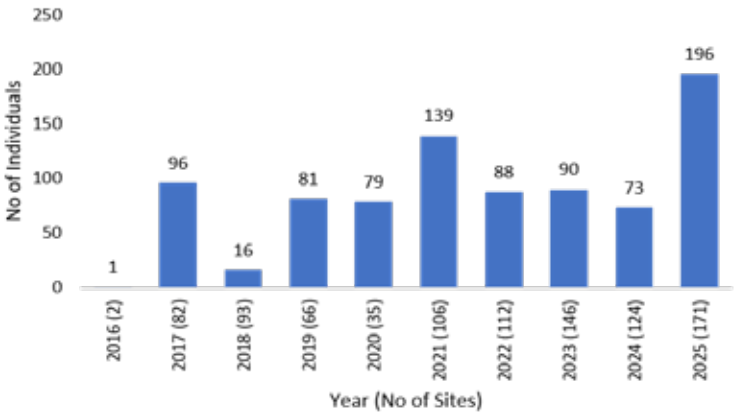
# River Tern

*Sterna aurantia*

പുഴ ആള



Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): VU

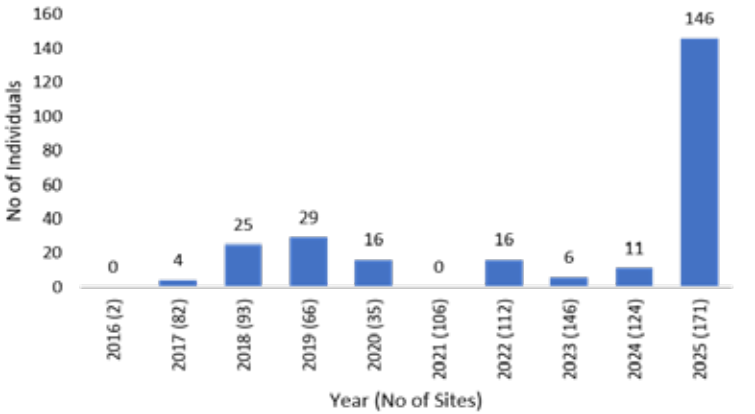
Protection Schedule (WLPA): I

# Little Tern

*Sternula albifrons*

ആളച്ചിന്നൻ

Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

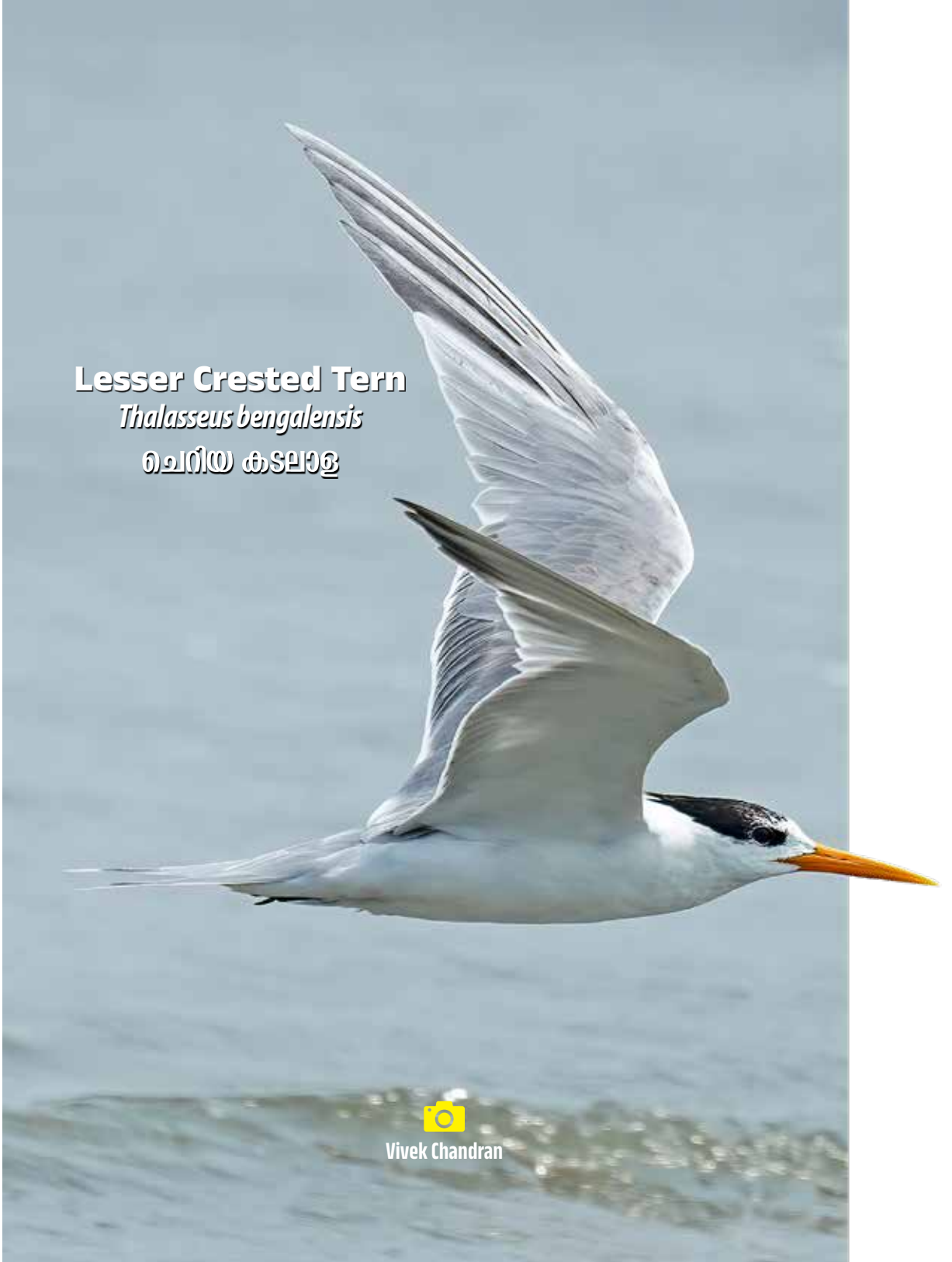
Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

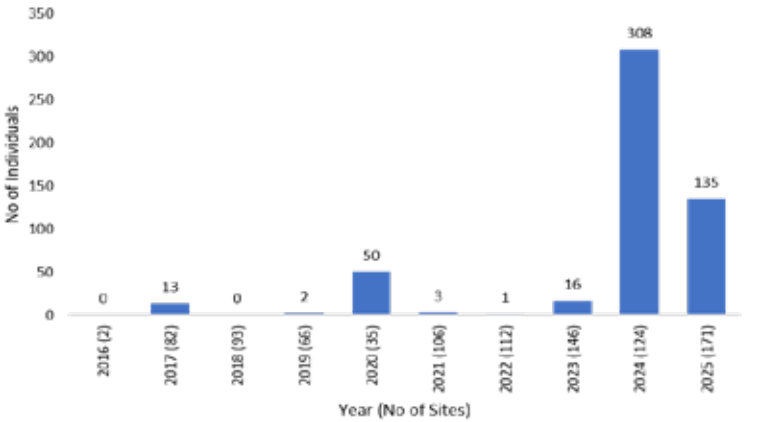
# Lesser Crested Tern

*Thalasseus bengalensis*

ചെറിയ കടൽപാള



Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

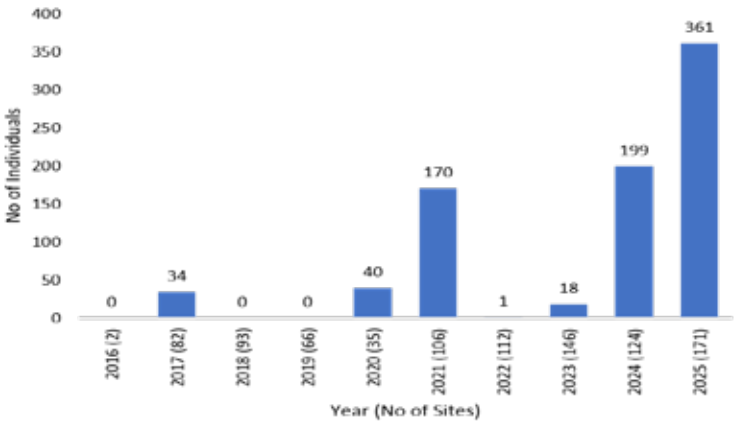
Protection Schedule (WLPA): II CMS Appendix: II

# Great Crested Tern

*Thalasseus bergii*

വലിയ കടലാള

Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

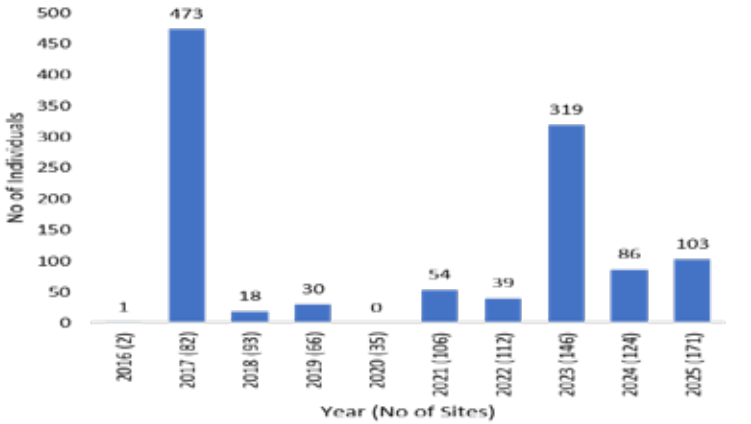
Protection Schedule (WLPA): II CMS Appendix: II

# Little Grebe

*Tachybaptus ruficollis*

മുങ്ങാങ്കോഴി

Subin K S



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

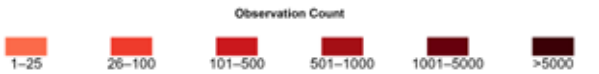
Ashtamudi Estuary- Wet

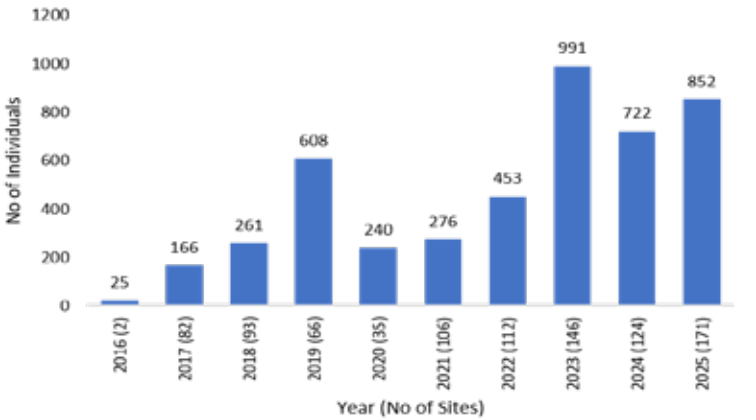
Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II





Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II

# Asian Woolly-necked Stork

*Ciconia episcopus*

കരുവാരക്കുരു

Arjun Suresh

Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

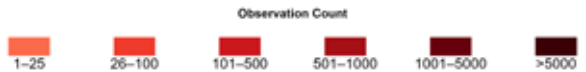
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): NT

Protection Schedule (WLPA): II

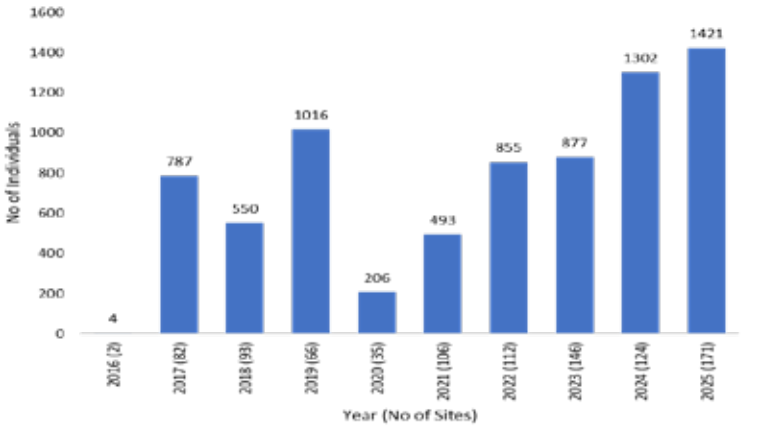


# Painted Stock

*Mycteria leucocephala*

വർണ്ണക്കൊക്ക്

Subin K S



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

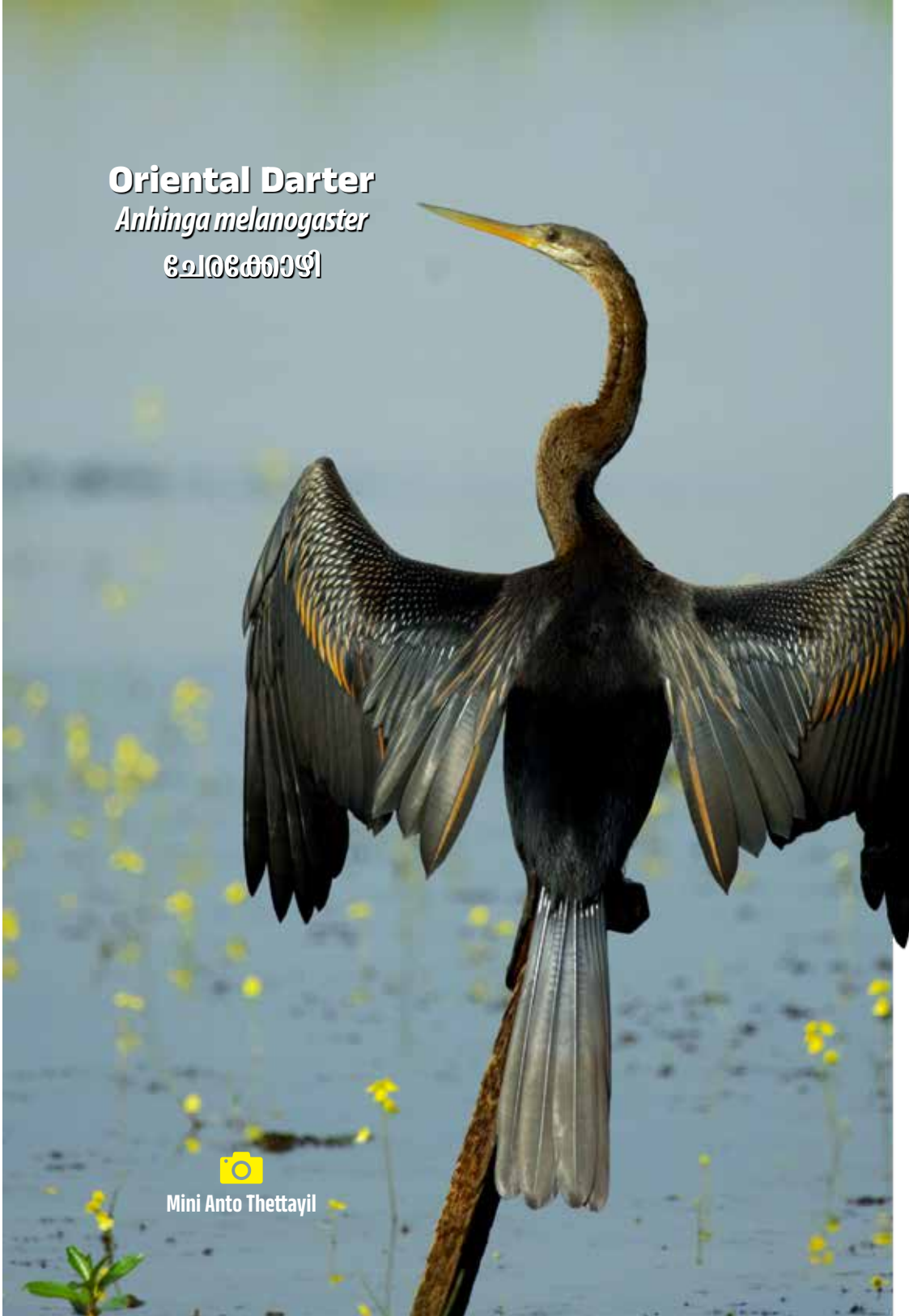
Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II CITES Appendix: I

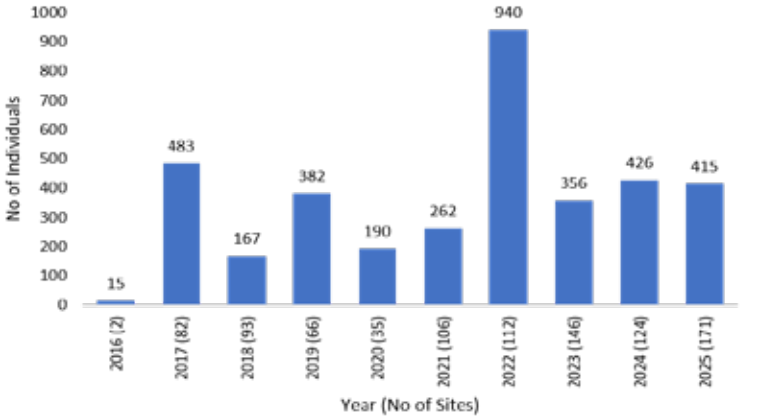
# Oriental Darter

*Anhinga melanogaster*

ചേരക്കോഴി



Mini Anto Thettayil



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

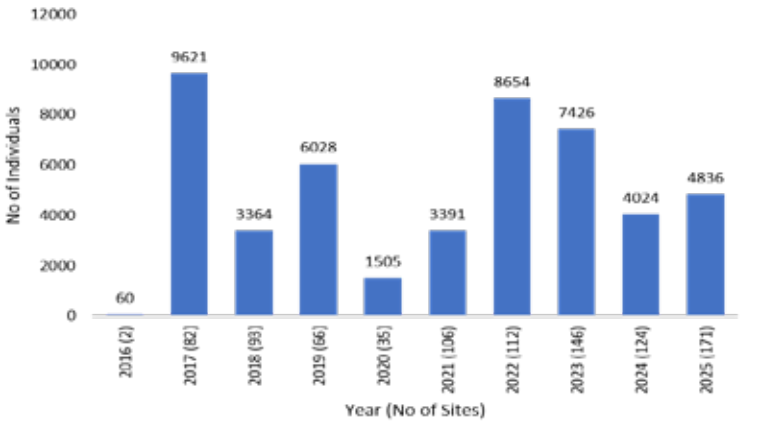
Protection Schedule (WLPA): II

# Little Cormorant

*Microcarbo niger*

ചെറിയ നീർക്കാക്ക

Mini Anto Thettayil



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

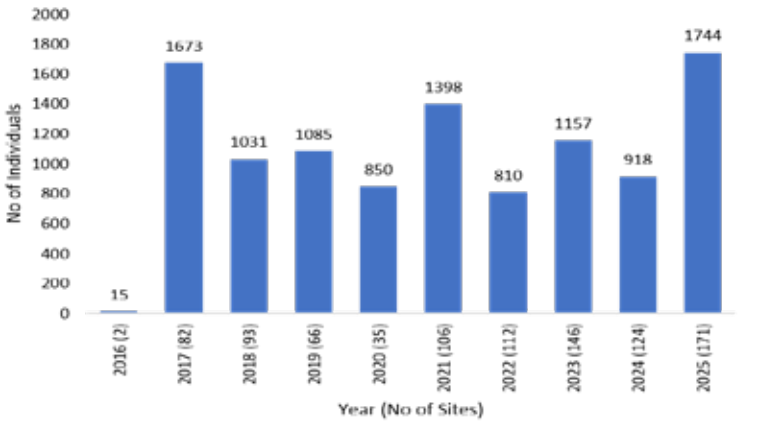
Protection Schedule (WLPA): II

# Indian Cormorant

*Phalacrocorax fuscicollis*

കിന്നരി നീർക്കാക്ക

RehanaAlpha



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

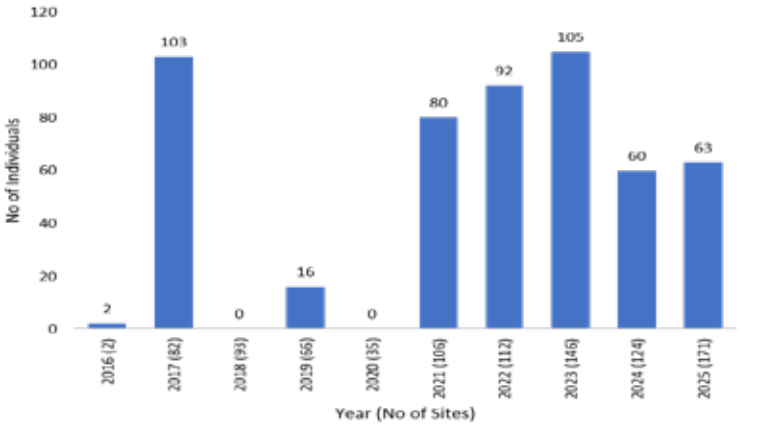
Protection Schedule (WLPA): II

# Great Cormorant

*Phalacrocorax carbo*

വലിയ നീർക്കാക്ക

Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

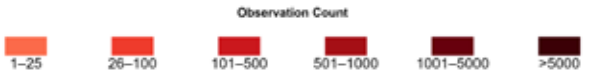
Ashtamudi Estuary- Wet

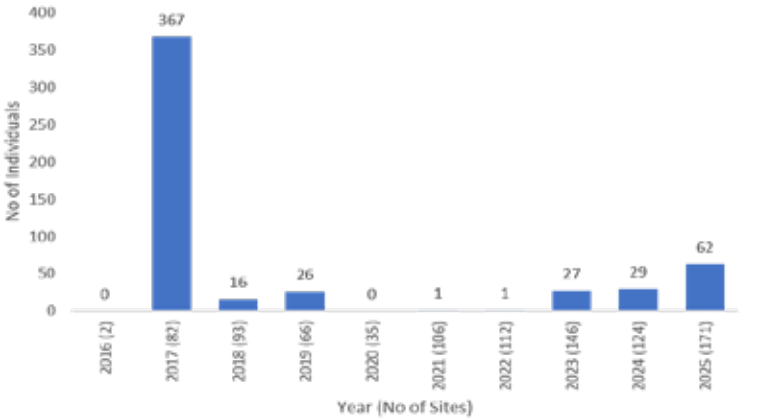
Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II





Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

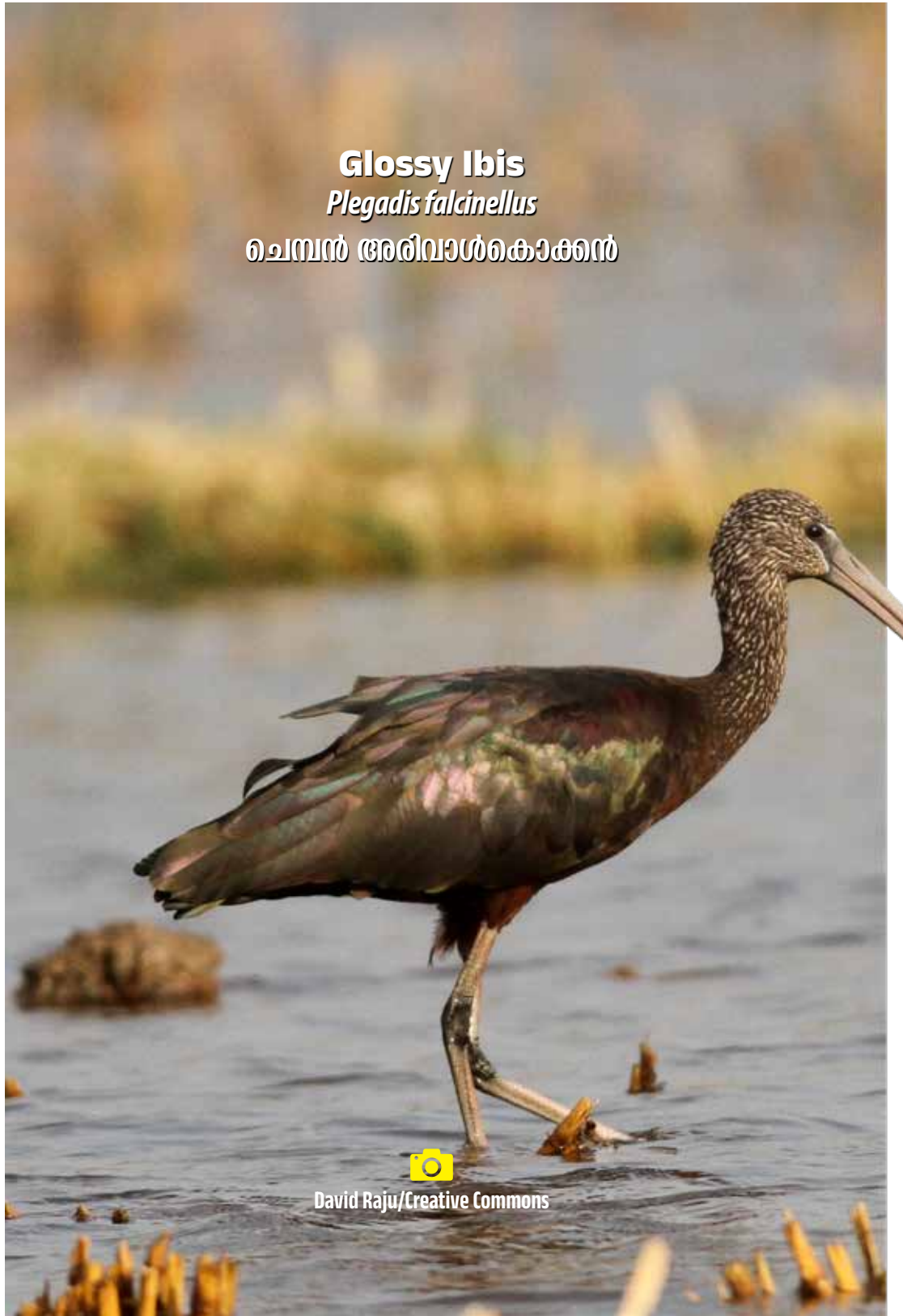
Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): I CMS Appendix: II CITES Appendix: II

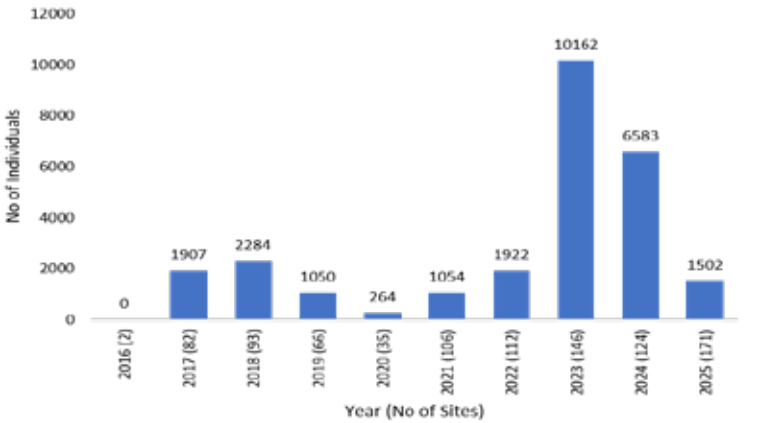
# Glossy Ibis

*Plegadis falcinellus*

## ചെമ്പൻ അരിവാൾകൊക്കൻ



David Raju/Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

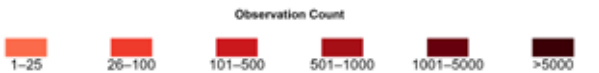
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

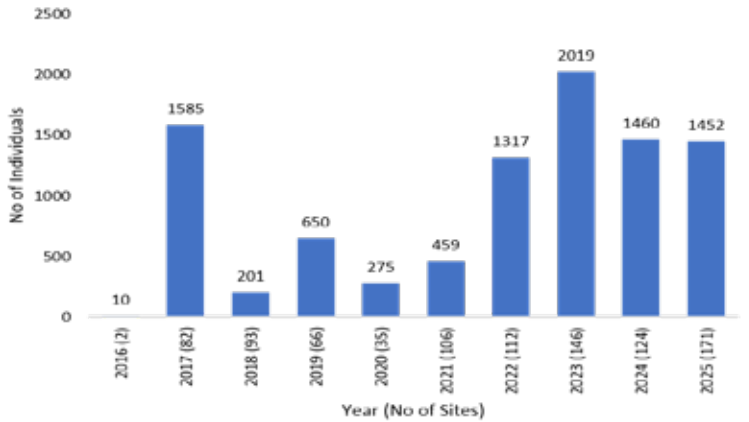


# Black-headed Ibis

*Threskiornis melanocephalus*

വെള്ള അരിവാൾകൊക്കൻ

Mini Anto Thettayil



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

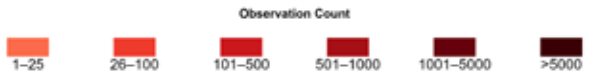
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II

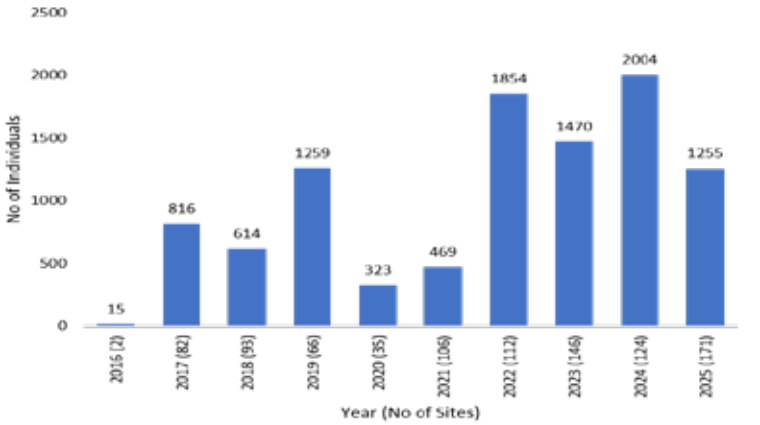


# Great Egret

*Ardea alba*

പെരുമുണ്ടി

RehanaAlpha



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

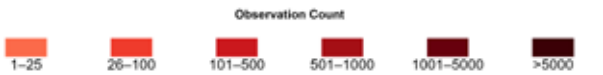
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

Protection Schedule (WLPA): II

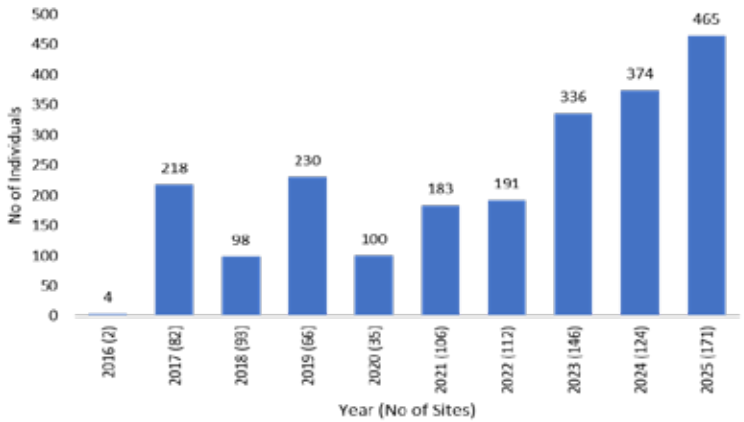


# Grey Heron

*Ardea cinerea*

ചാരമുണ്ടി

RehanaAlpha



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

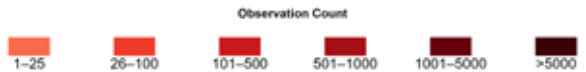
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II

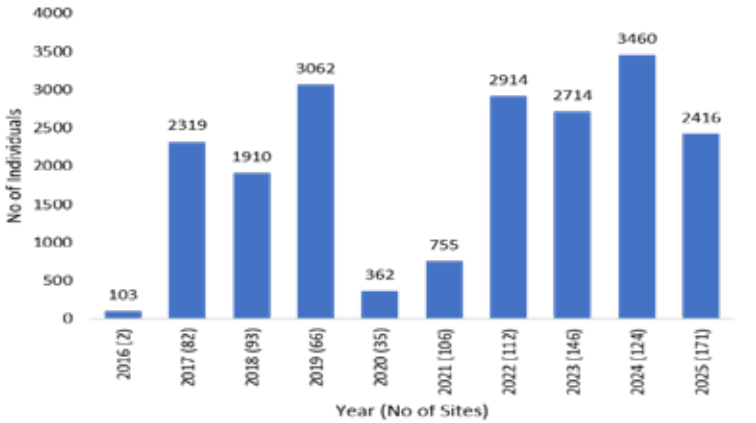


# Medium Egret

*Ardea intermedia*

ചെറുമുണ്ടി

Subin K S/Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

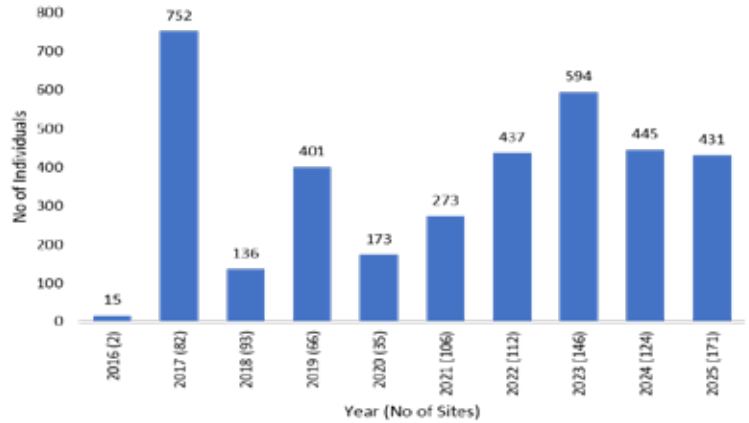
Protection Schedule (WLPA): II

# Purple Heron

*Ardea purpurea*

ചായമുണ്ടി

RehanaAlpha



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

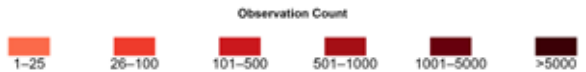
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II



# Indian Pond-Heron

*Ardeola grayii*

കുളക്കൊക്ക്

Dr. Nirmal George

Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

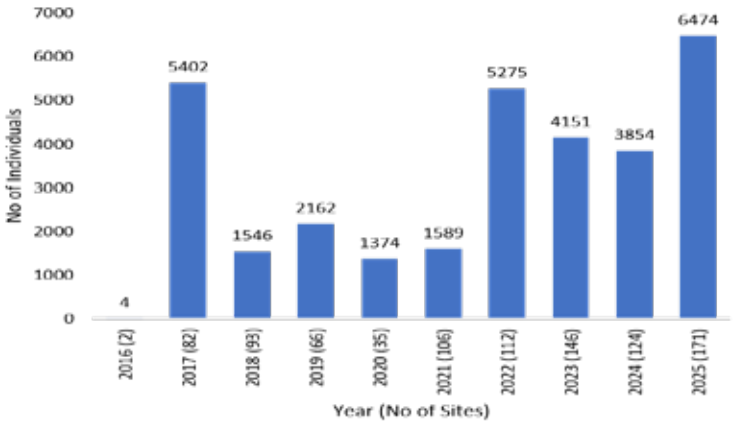
Protection Schedule (WLPA): II

# Eastern Cattle Egret

*Bubulcus coromandus*

കാലിമുണ്ടി

Ampady S



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

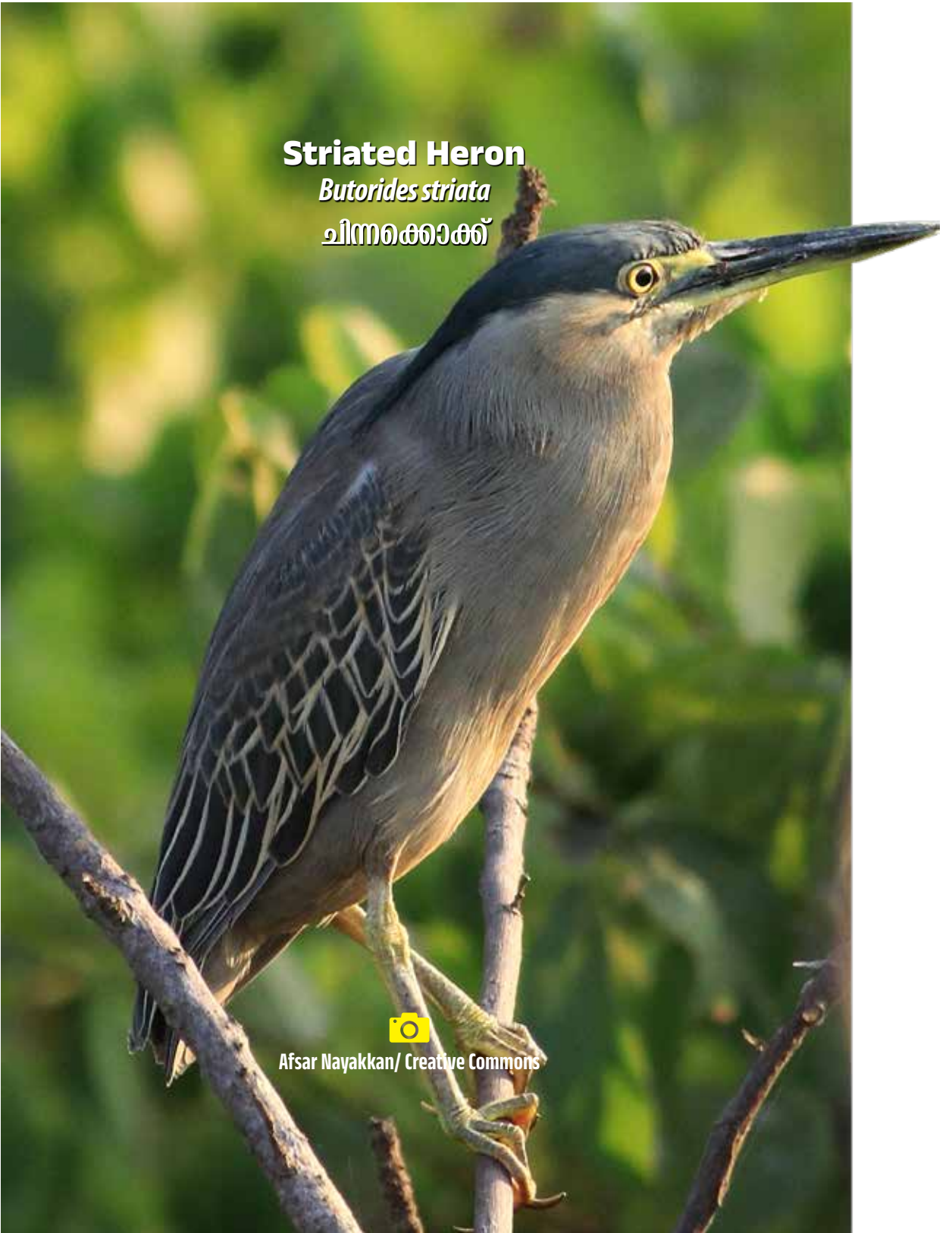
Conservation Priority (SoIB): LOW Threat Status (IUCN): Not recognized

Protection Schedule (WLPA): II

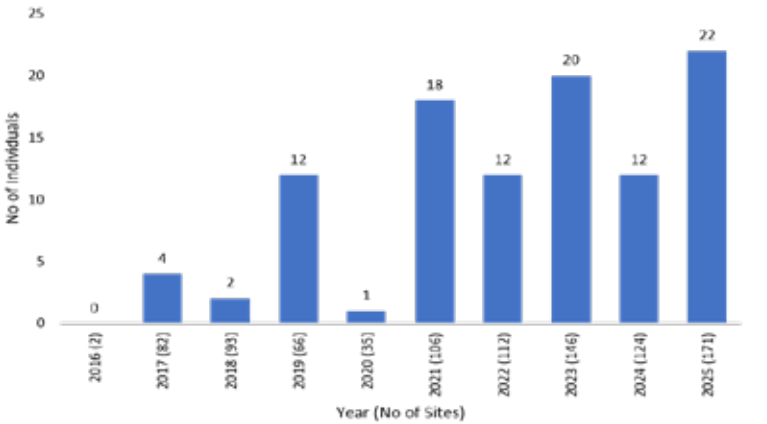
# Striated Heron

*Butorides striata*

ചിന്നക്കൊക്ക്



Afsar Nayakkan/ Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

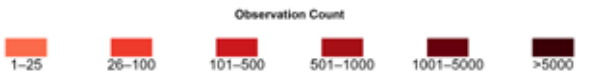
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

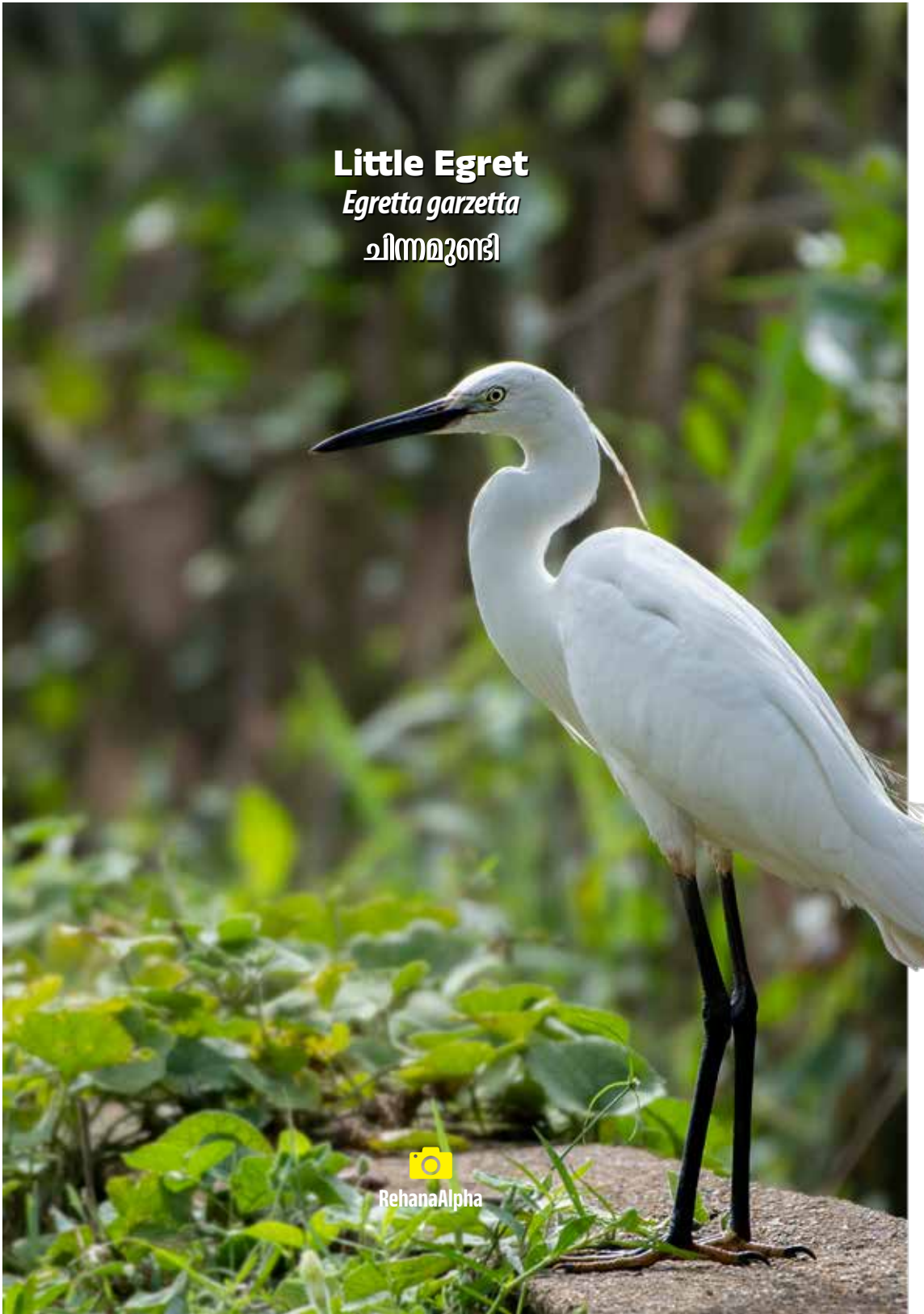
Protection Schedule (WLPA): II

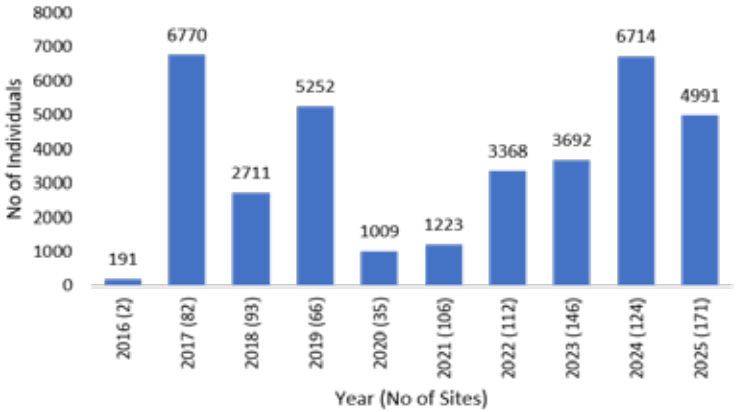


# Little Egret

*Egretta garzetta*

ചിന്നമുണ്ടി



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

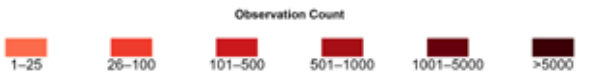
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

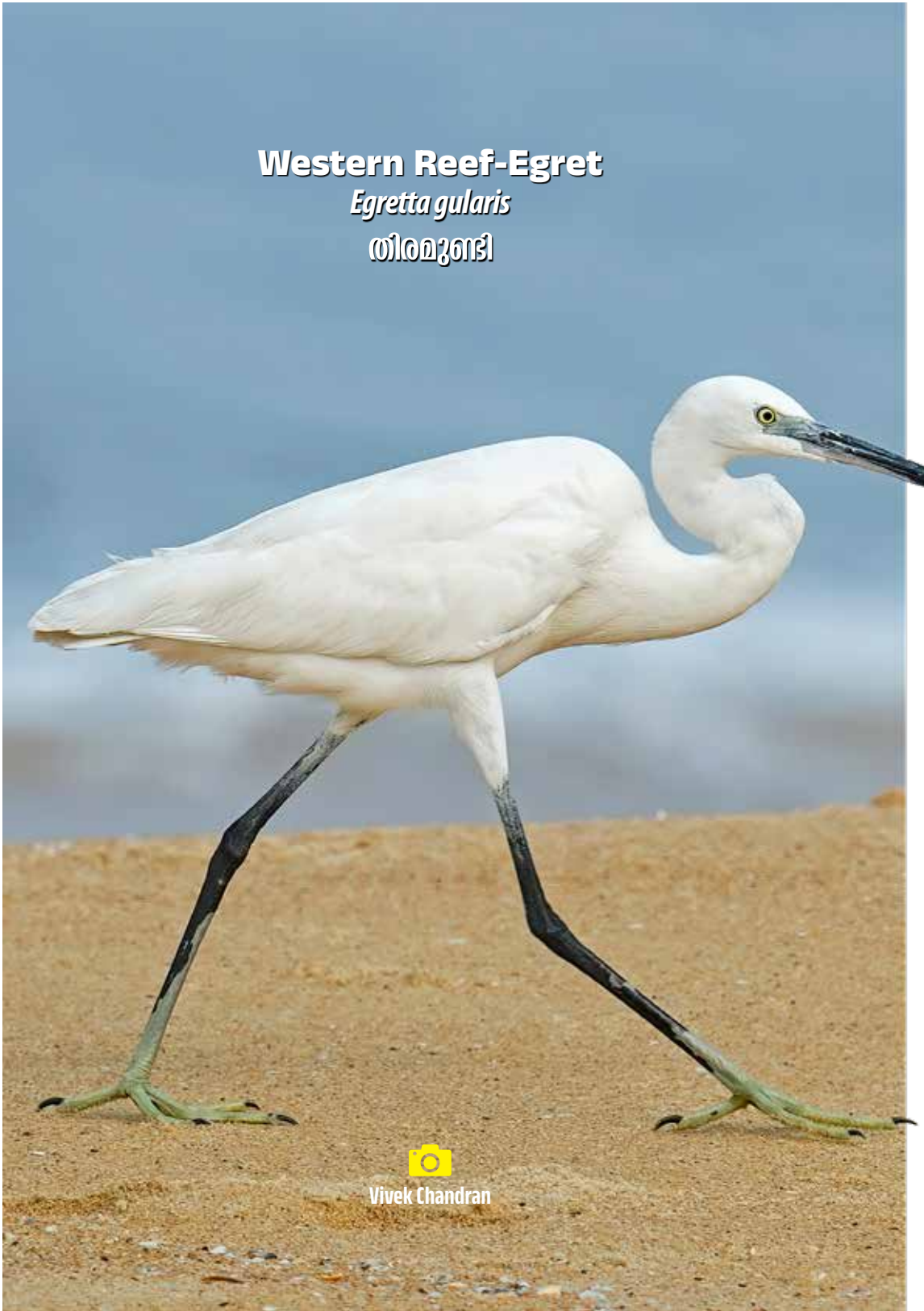
Protection Schedule (WLPA): II



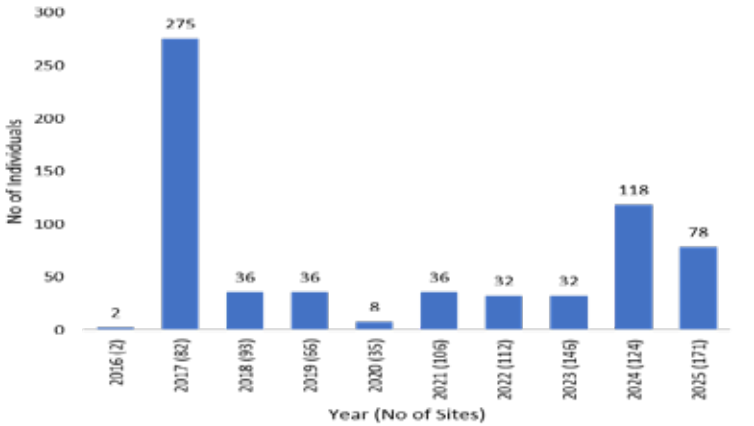
# Western Reef-Egret

*Egretta gularis*

തിരമുണ്ടി



Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

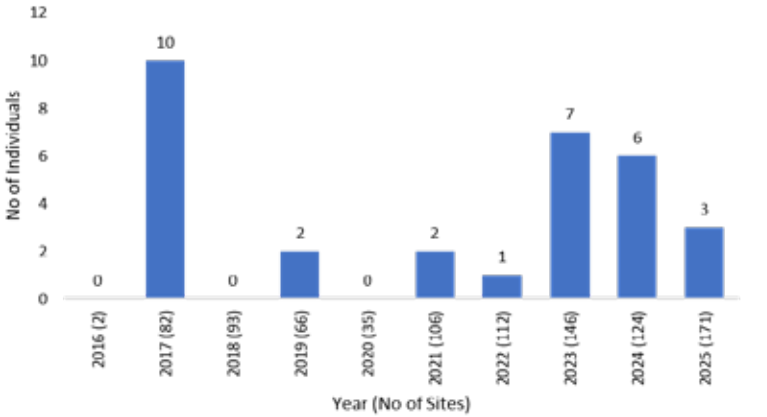
Protection Schedule (WLPA): II

# Cinnamon Bittern

*Botaurus cinnamomeus*

മഴത്തൊഴ

Afsar Nayakkan/ Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

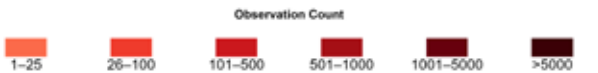
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): I

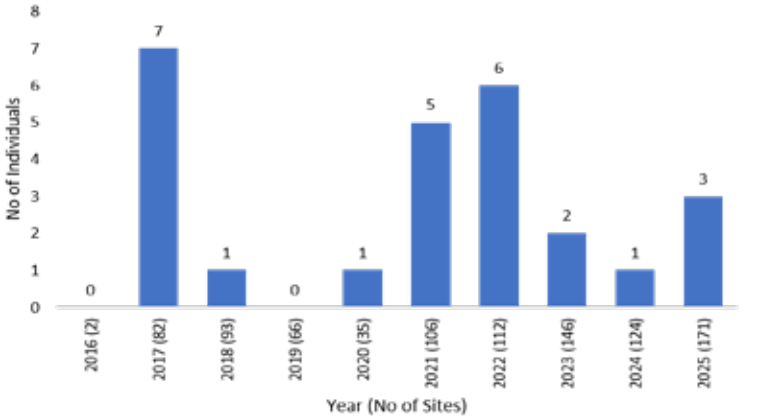


# Black Bittern

*Botaurus flavicollis*

കരിങ്കൊച്ച

Subin K S



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

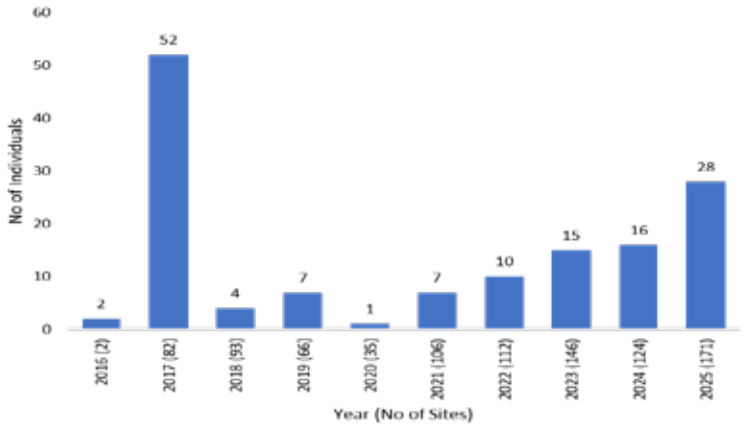
Protection Schedule (WLPA): II

# Yellow Bittern

***Botaurus sinensis***

മഞ്ഞക്കൊച്ച

Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

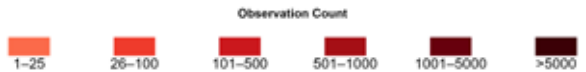
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

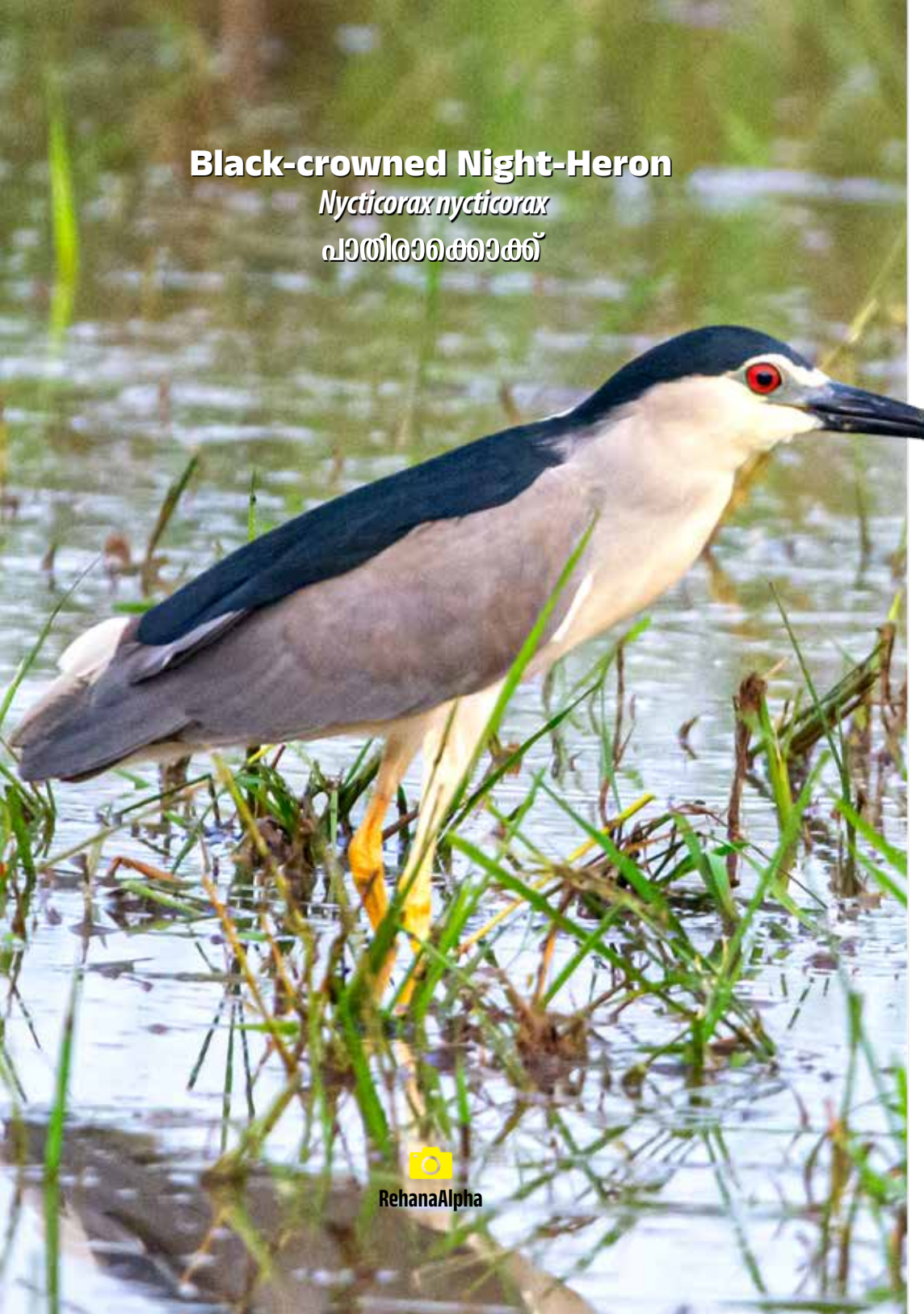
Protection Schedule (WLPA): II



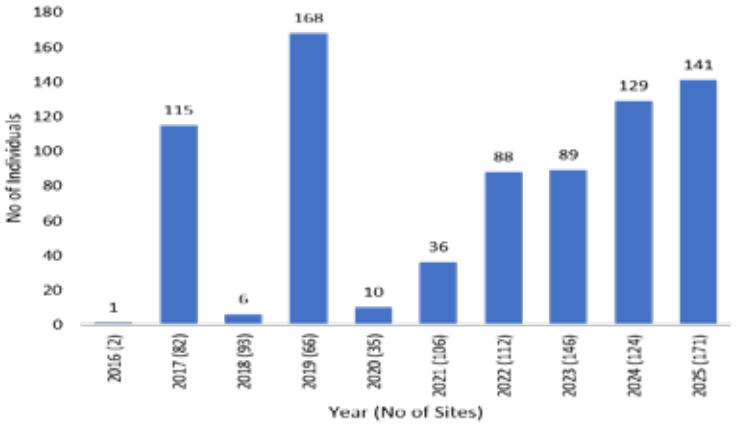
# Black-crowned Night-Heron

*Nycticorax nycticorax*

പാതിരാക്കൊക്ക്



RehanaAlpha



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

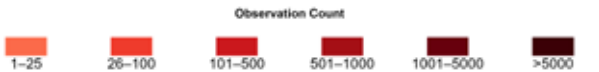
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II

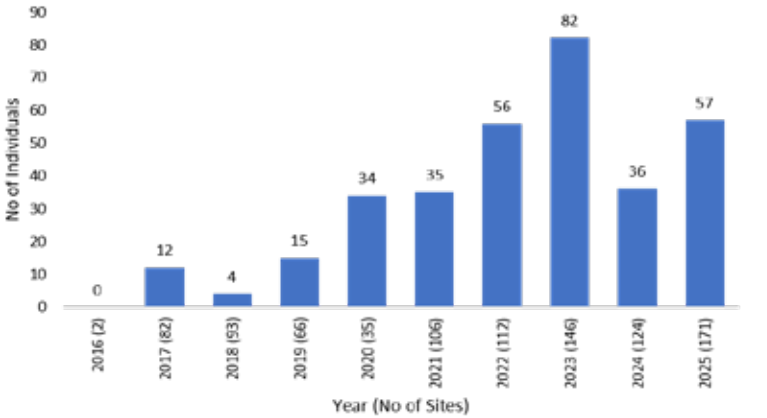


# Spot-billed Pelican

*Pelecanus philippensis*

പുള്ളിച്ചുണ്ടൻ കൊതുമ്പന്നം

Subin K S



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

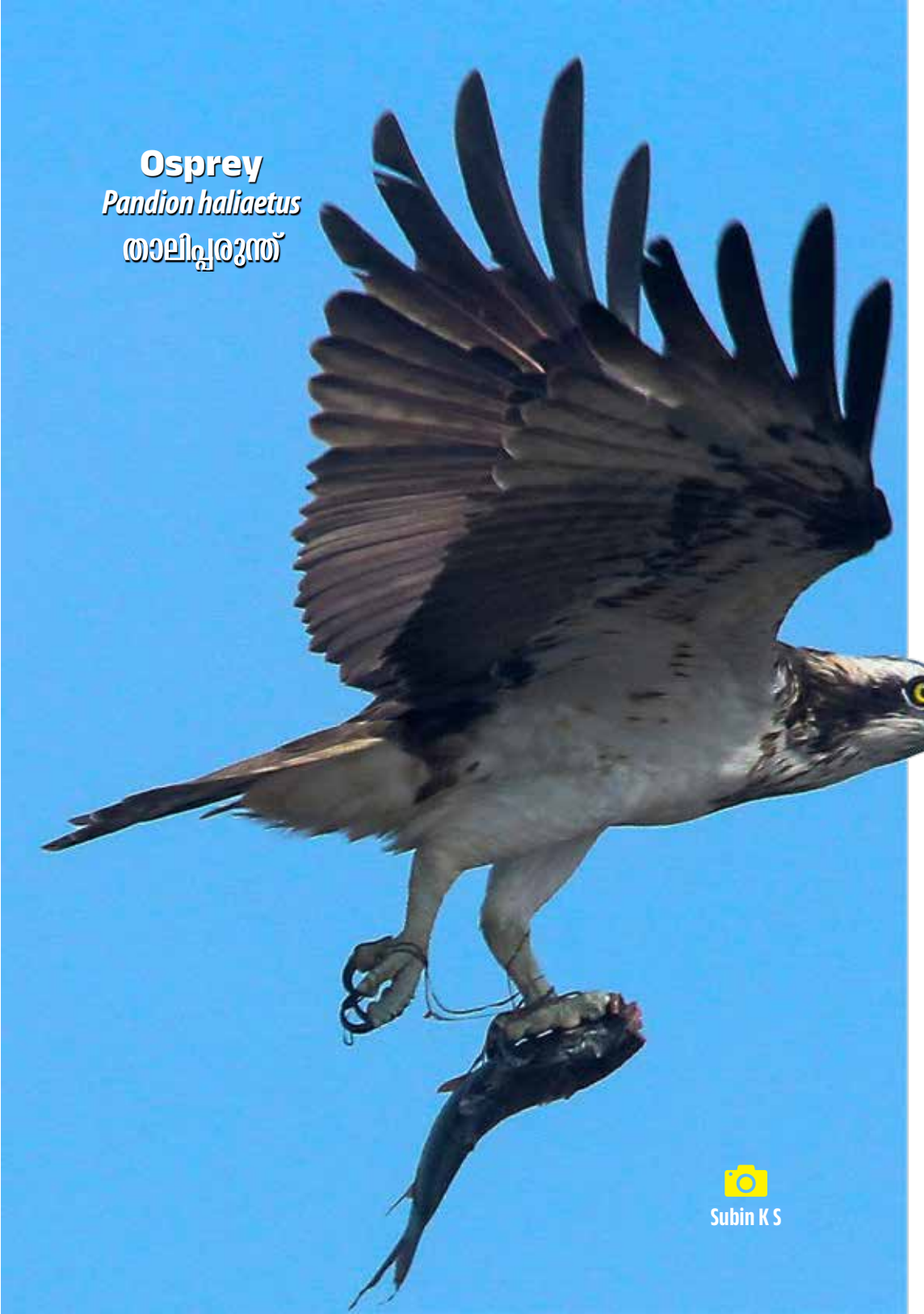
Conservation Priority (SoIB): MOD Threat Status (IUCN): NT

Protection Schedule (WLPA): II

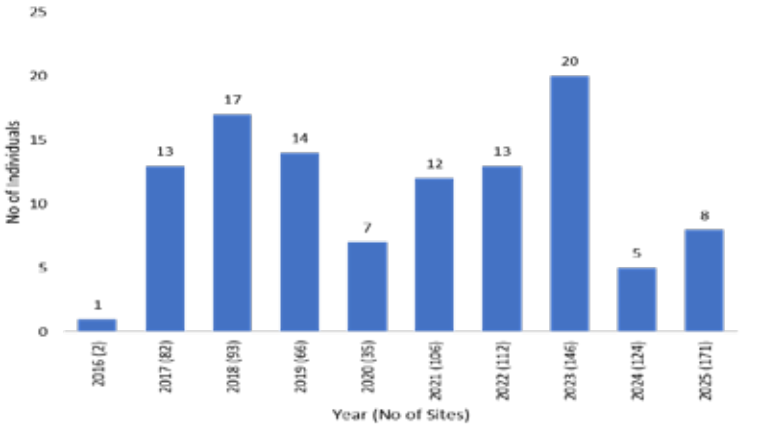
# Osprey

*Pandion haliaetus*

താലിപ്പരുന്ത്



Subin K S



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

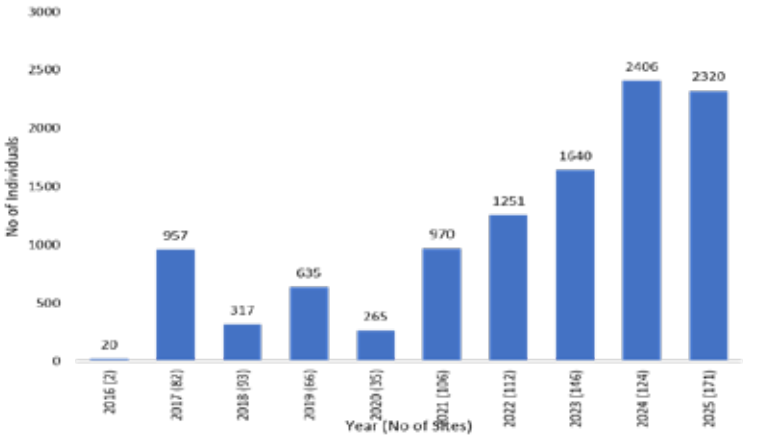
Protection Schedule (WLPA): I CMS Appendix: II CITES Appendix: II

# Brahminy Kite

*Haliastur indus*

കൃഷ്ണപ്പരുന്ത്, ചെമ്പരുന്ത്

Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

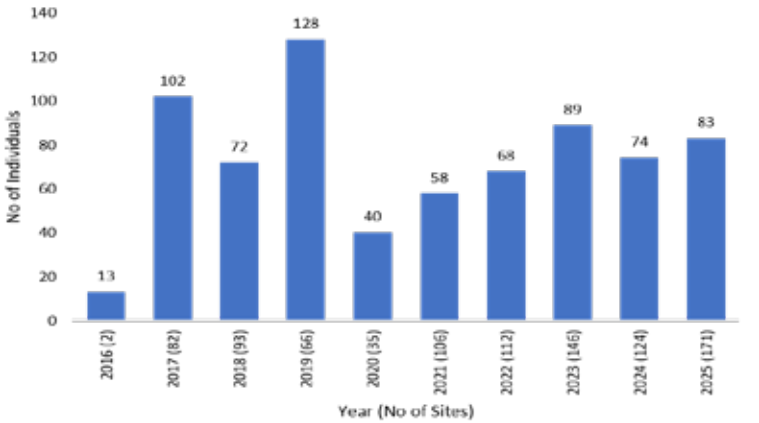
Protection Schedule (WLPA): I CITES Appendix: II

# Western Marsh-Harrier

*Circus aeruginosus*

കരിതപ്പി

Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

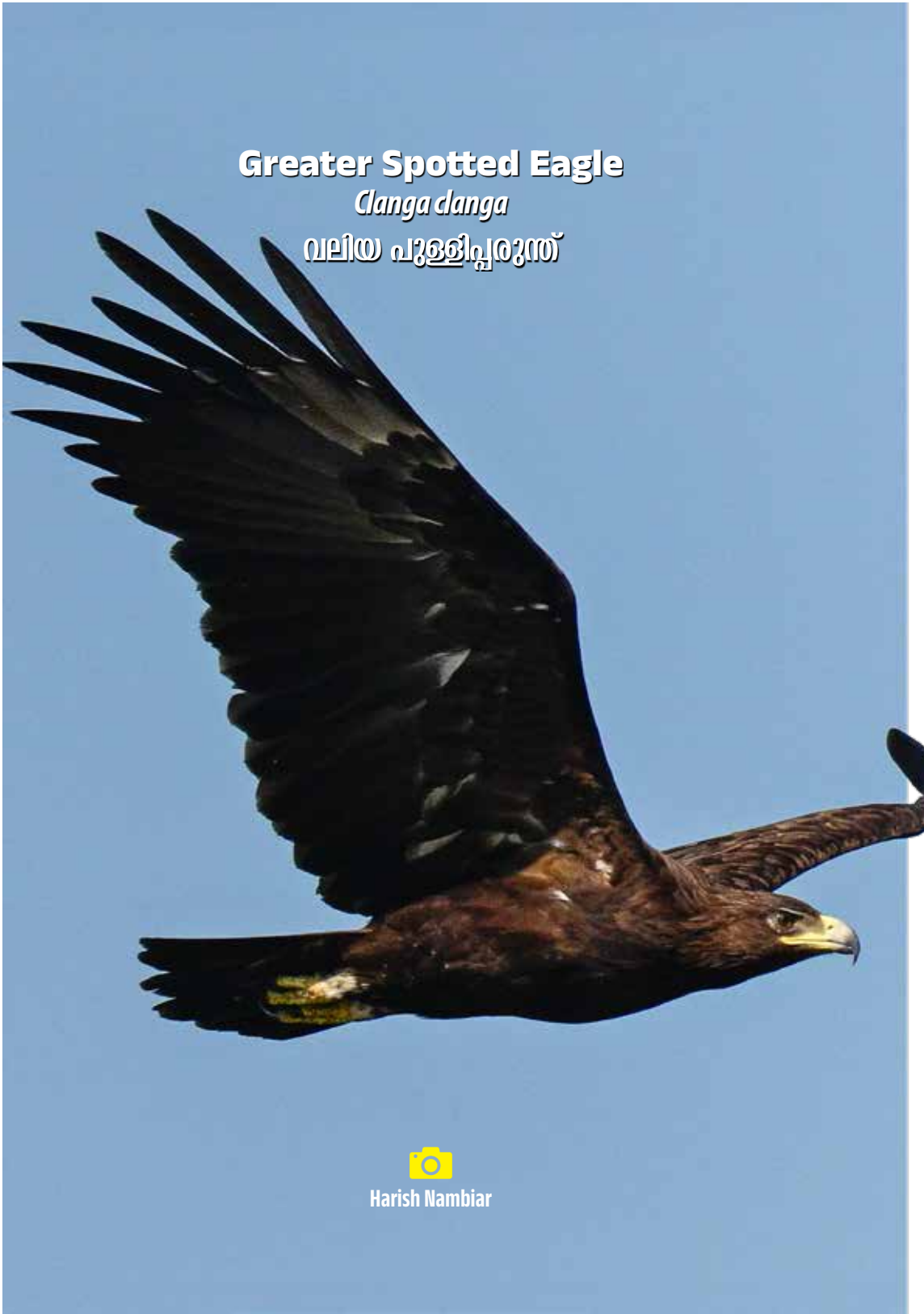
Conservation Priority (SoIB): HIGH Threat Status (IUCN): LC

Protection Schedule (WLPA): I CMS Appendix: II, CITES Appendix: II

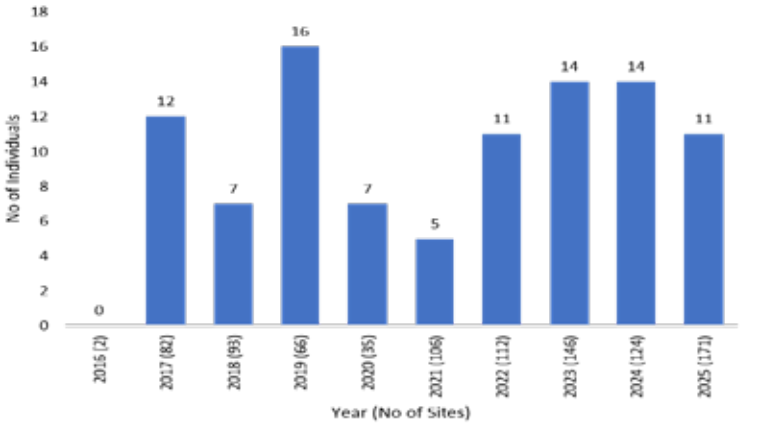
# Greater Spotted Eagle

*Clanga clanga*

വലിയ പുള്ളിപ്പരുന്ത്



Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

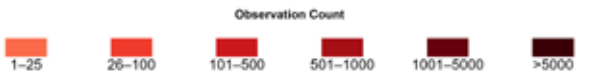
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): HIGH Threat Status (IUCN): VU

Protection Schedule (WLPA): I CMS Appendix: I, CITES Appendix: II

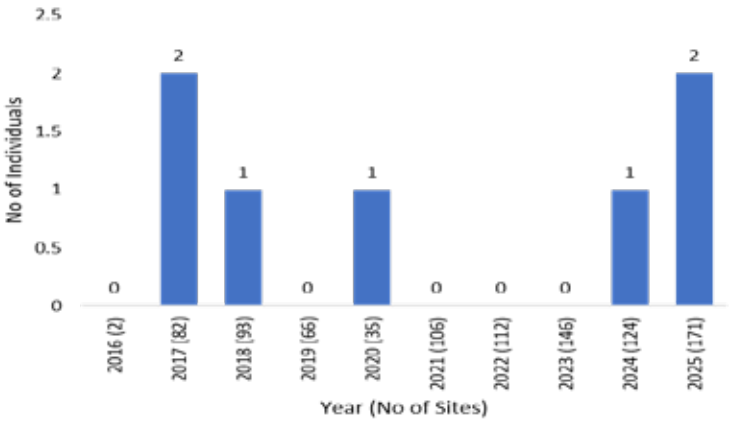


# Indian Spotted Eagle

*Clanga hastata*

ചെറിയ പുള്ളിപ്പരുന്ത്

Harish Nambiar



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

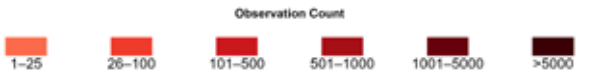
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): NT

Protection Schedule (WLPA): I CITES Appendix: II

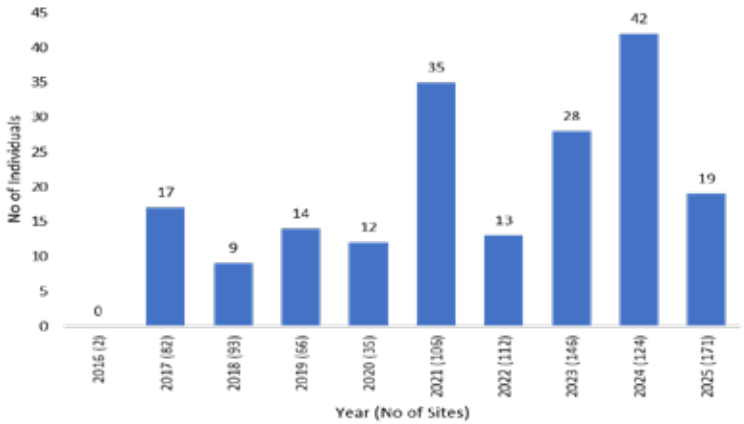


# Booted Eagle

*Hieraaetus pennatus*

വെള്ളക്കറുപ്പൻ പരുന്ത്

Vivek Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

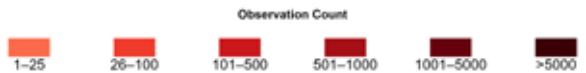
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

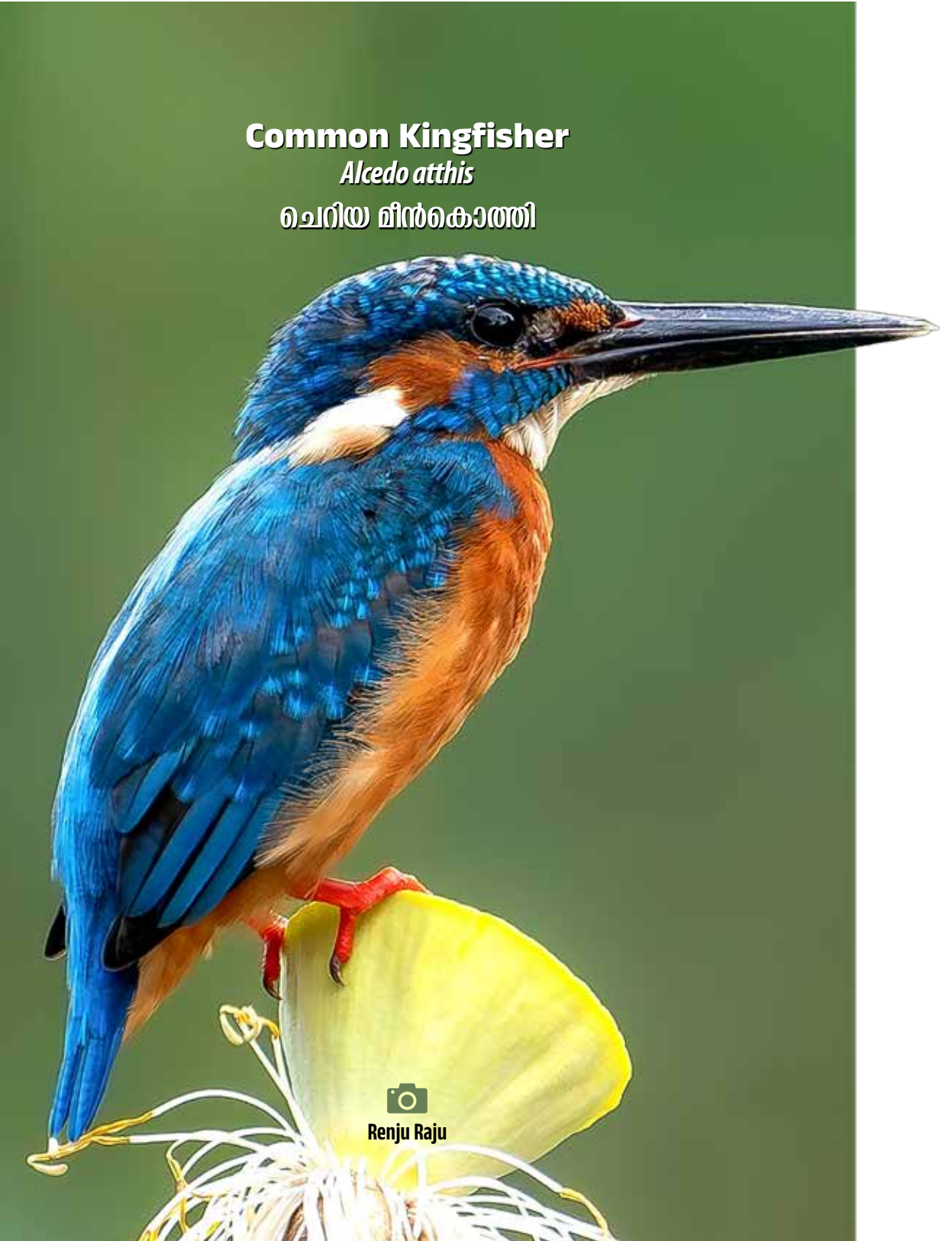
Protection Schedule (WLPA): I CMS Appendix: II, CITES Appendix: II



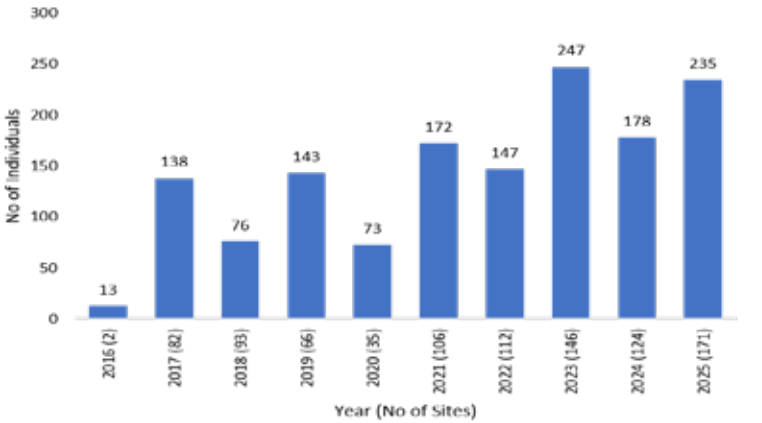
# Common Kingfisher

*Alcedo atthis*

ചെറിയ മീൻകൊത്തി



Renju Raju



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

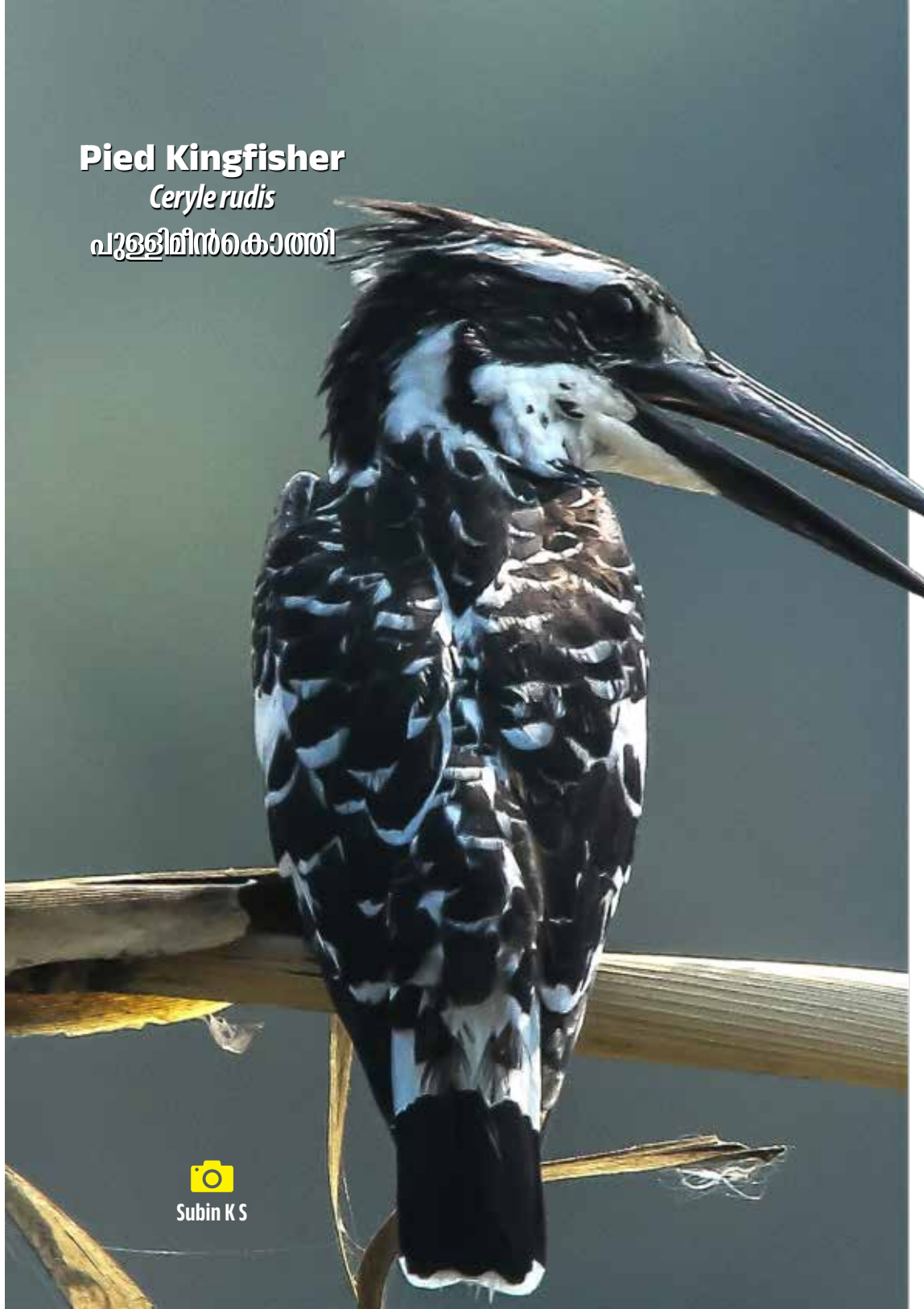
Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II

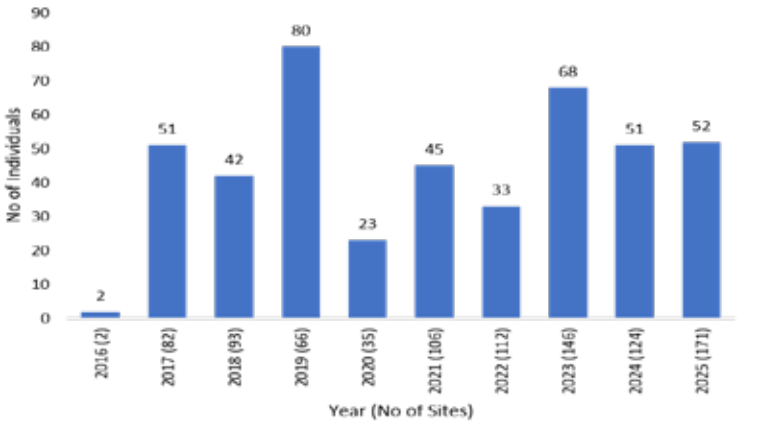
# Pied Kingfisher

*Ceryle rudis*

പുള്ളിമീൻകൊത്തി



Subin K S



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

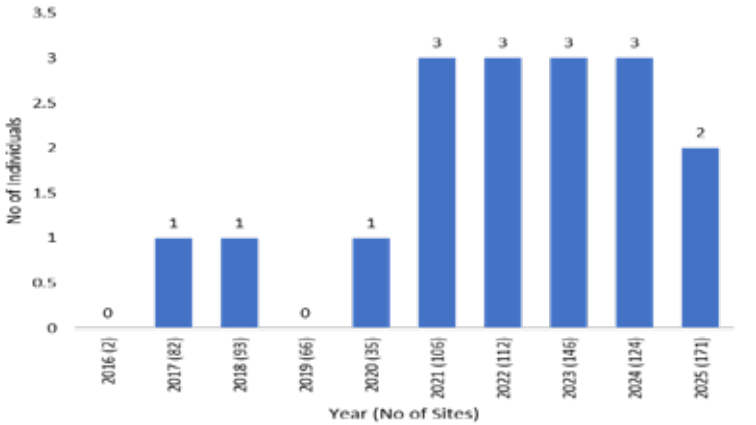
Protection Schedule (WLPA): II

# Black-capped Kingfisher

*Halcyon pileata*

കരിന്തലയൻ മീൻകൊത്തി

Reji Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

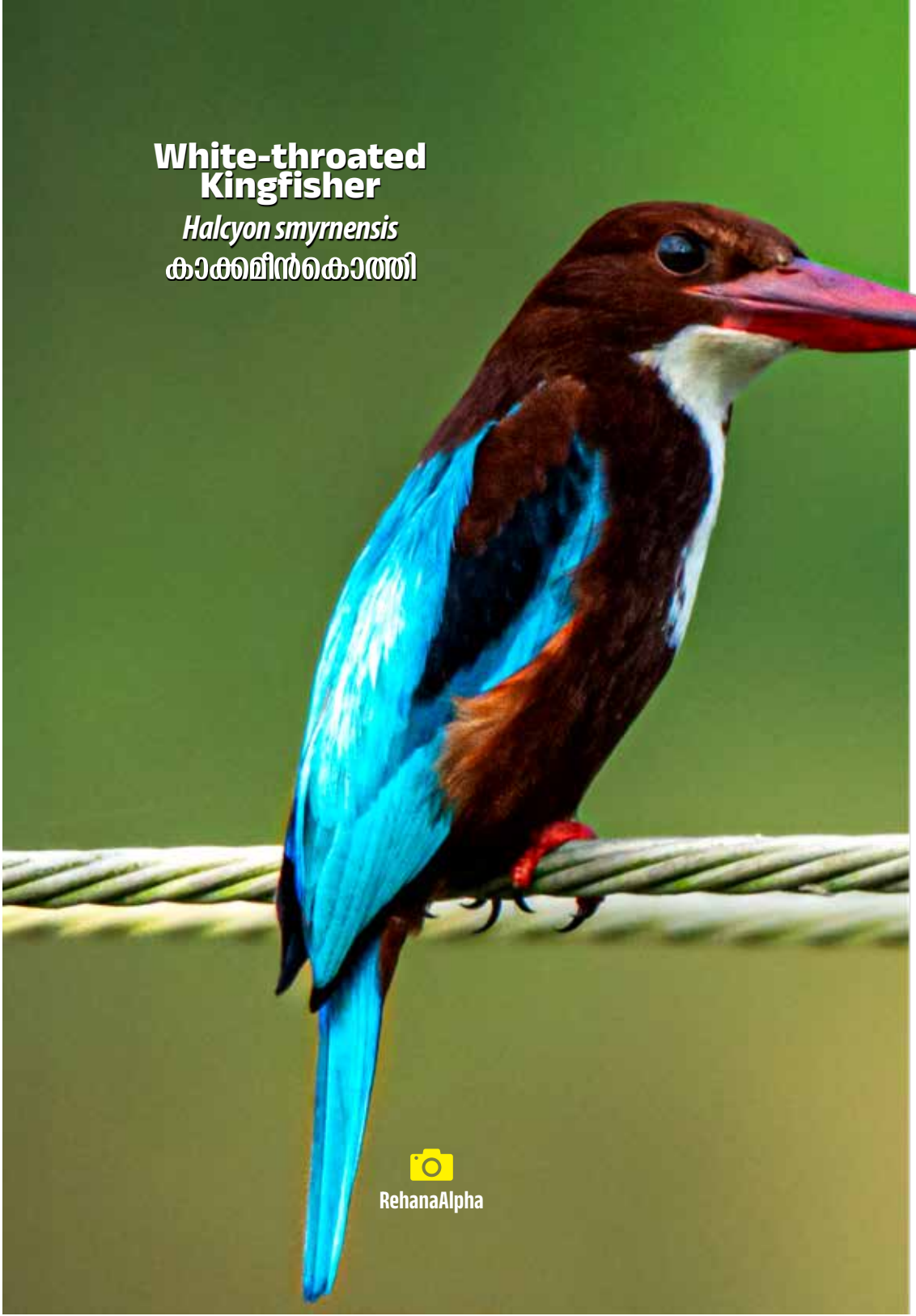
Conservation Priority (SoIB): HIGH Threat Status (IUCN): VU

Protection Schedule (WLPA): II

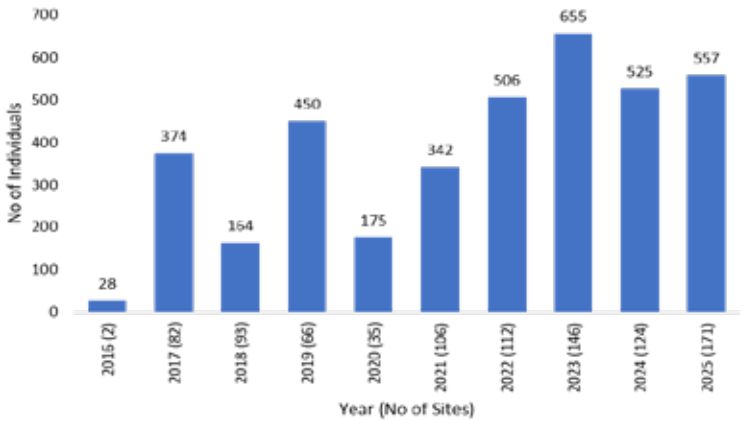
# White-throated Kingfisher

*Halcyon smyrnensis*

കാക്കമീൻകൊത്തി



RehanaAlpha



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

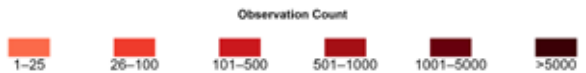
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

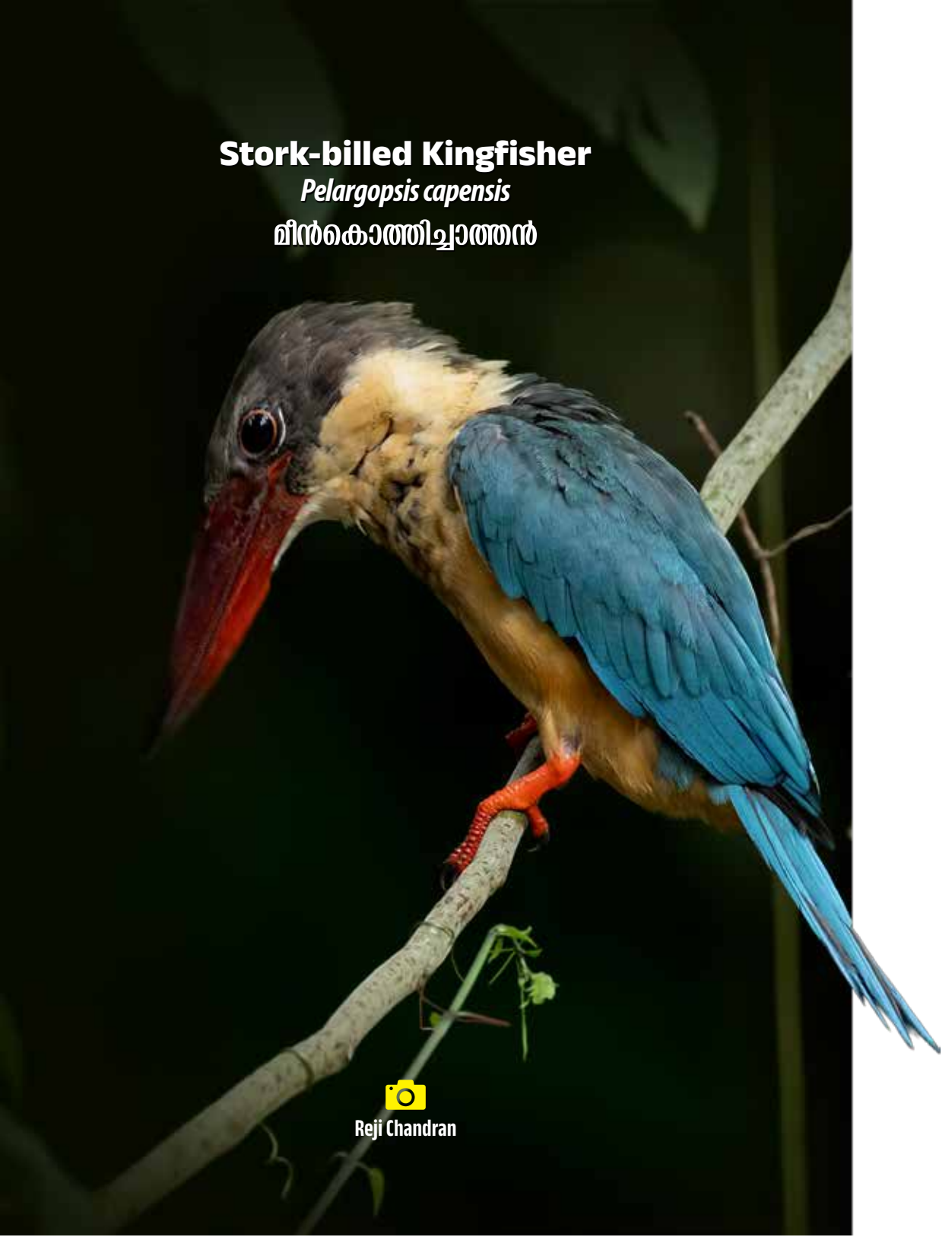
Protection Schedule (WLPA): II



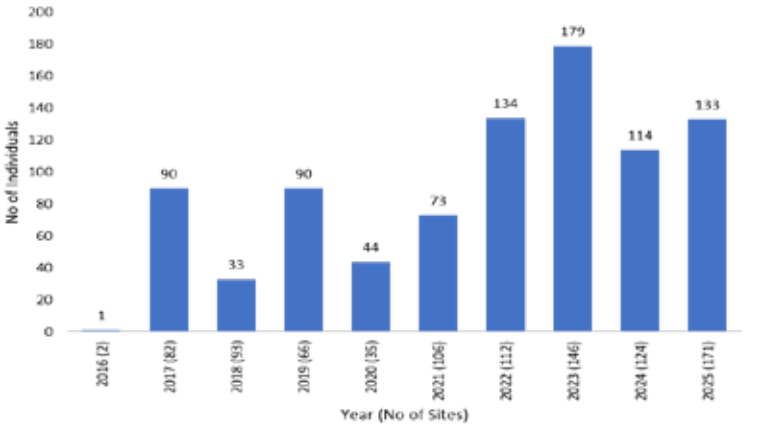
# Stork-billed Kingfisher

*Pelargopsis capensis*

മീൻകൊത്തിച്ചാത്തൻ



Reji Chandran



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

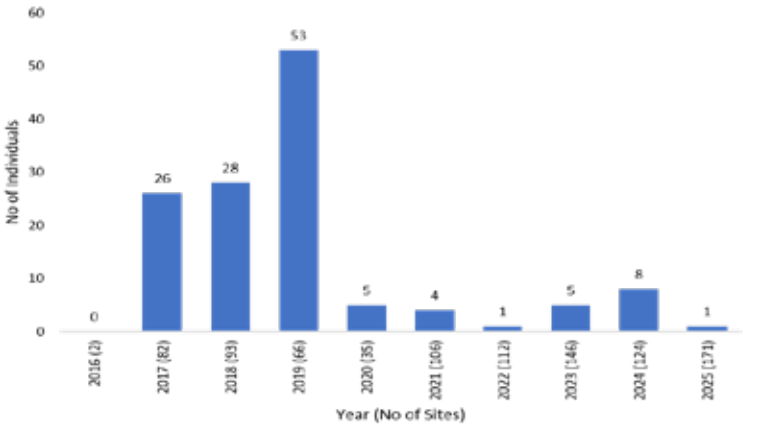
Protection Schedule (WLPA): II

# White Wagtail

*Motacilla alba*

വെള്ള വാലുകുലുക്കി

Subin K S



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

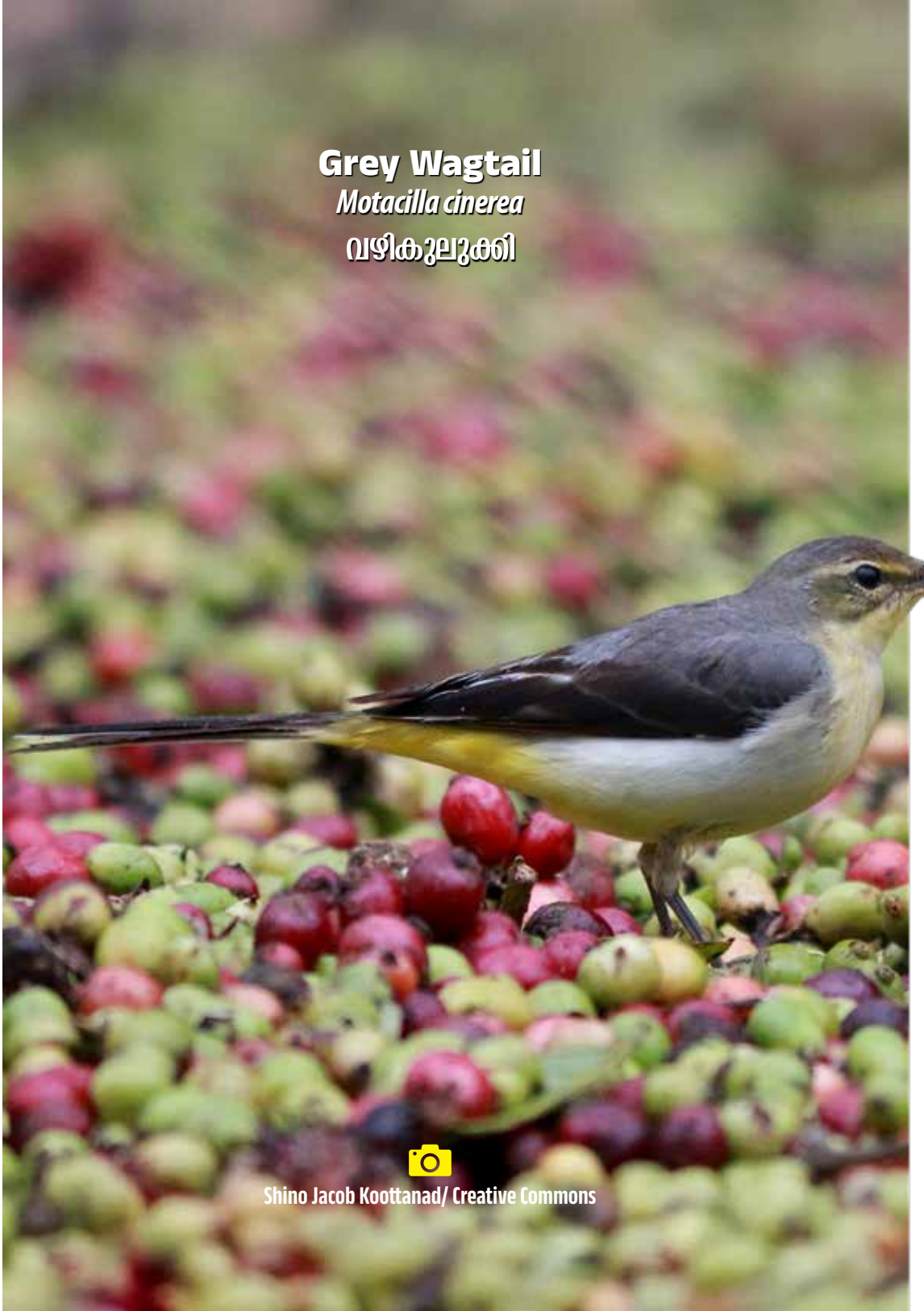
Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

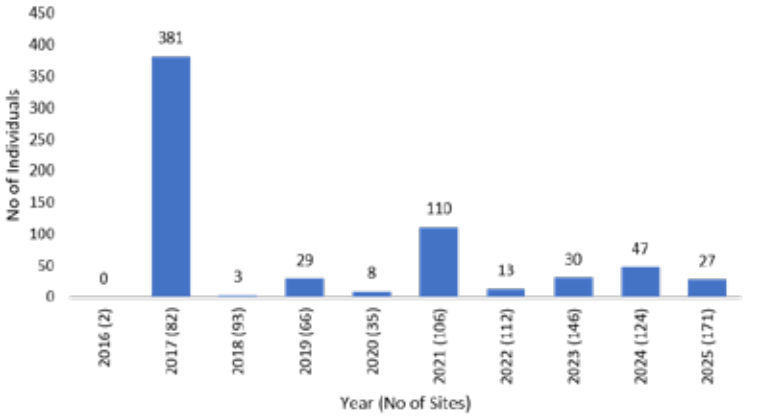
# Grey Wagtail

*Motacilla cinerea*

വഴികുലുക്കി



Shino Jacob Koottanad/ Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

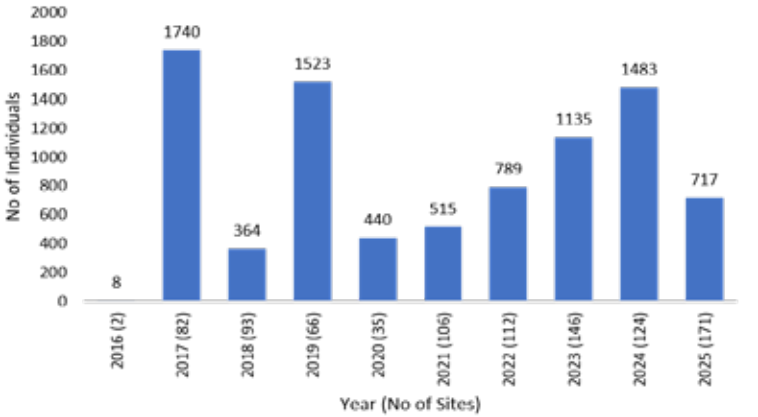
Protection Schedule (WLPA): II CMS Appendix: II

# Western Yellow Wagtail

*Motacilla flava*

മഞ്ഞ വാലുകുലുക്കി

Subin K S



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

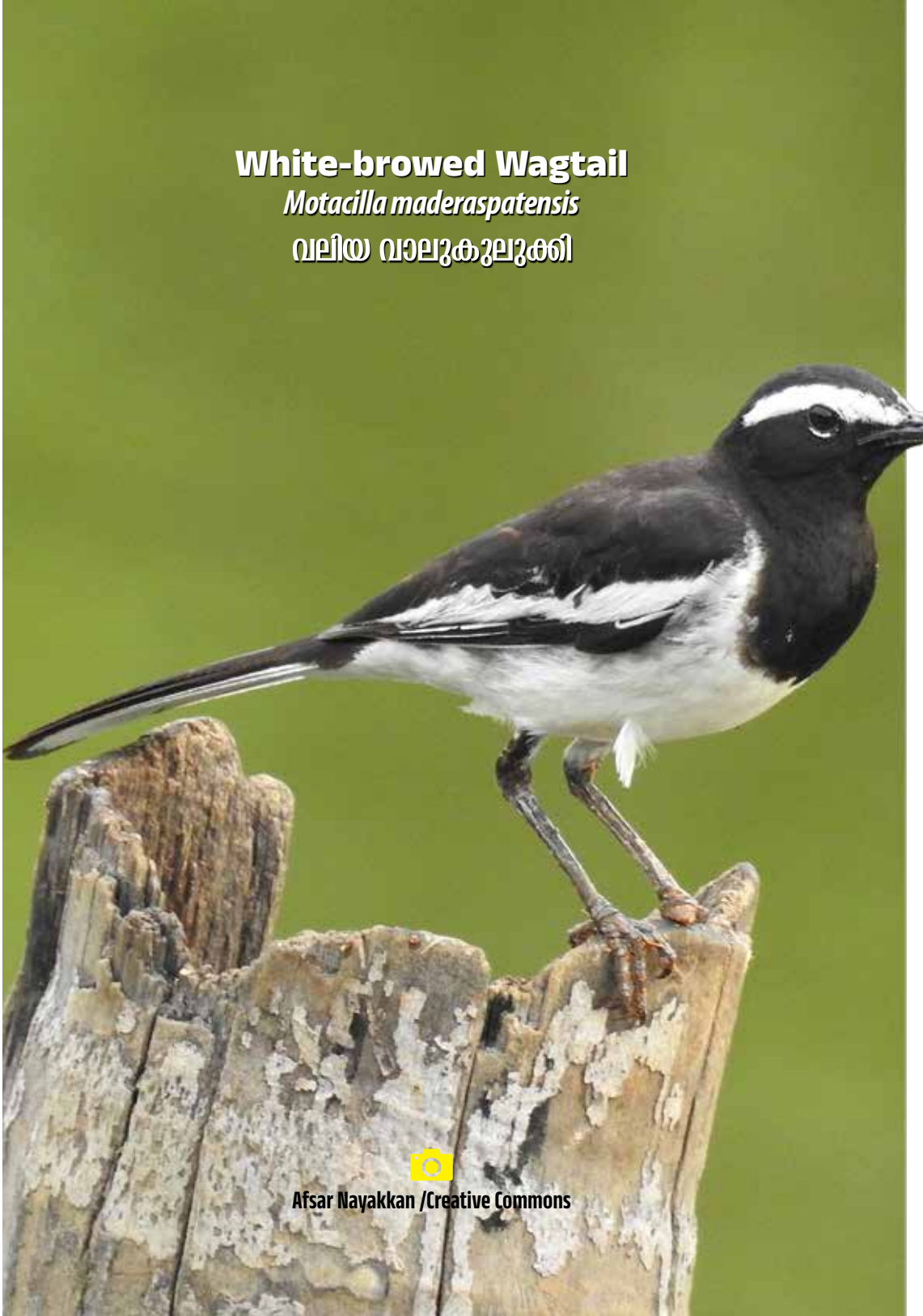
Conservation Priority (SoIB): MOD Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II

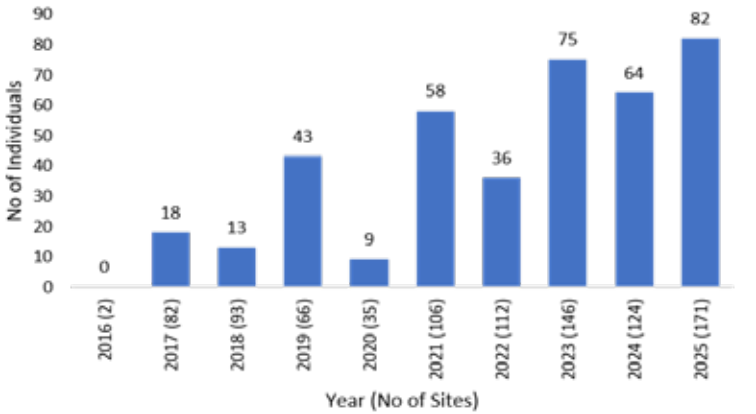
# White-browed Wagtail

*Motacilla maderaspatensis*

വലിയ വാലുകുലുക്കി



Afsar Nayakkan /Creative Commons



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

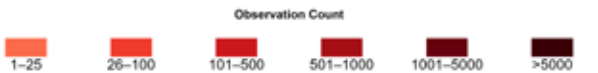
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Conservation Priority (SoIB): LOW Threat Status (IUCN): LC

Protection Schedule (WLPA): II

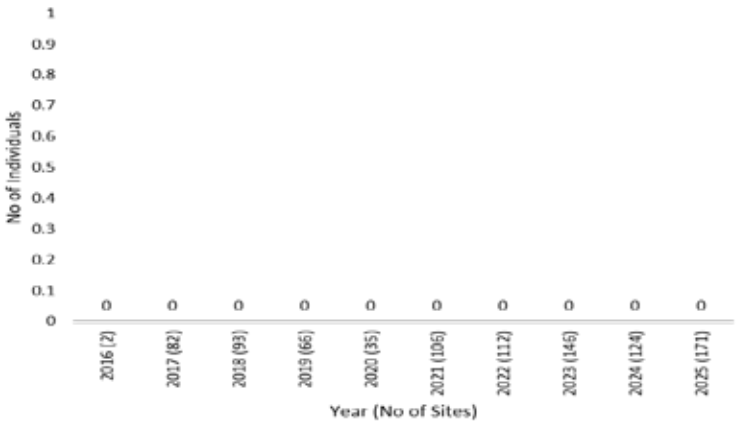


# Eastern Yellow Wagtail

*Motacilla tschutschensis*

കിഴക്കൻ മഞ്ഞ വാലുകുലുക്കി

Adarsh Ajay



Vembanad-Kol Wetland Complex- Dry

Vembanad-Kol Wetland Complex- Wet

Ashtamudi Estuary- Dry

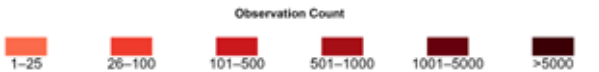
Ashtamudi Estuary- Wet

Sasthamkotta Lake - Dry

Sasthamkotta Lake - Wet

Threat Status (IUCN): LC

Protection Schedule (WLPA): II CMS Appendix: II



# Rare and uncommon bird species recorded during the project

**Oriental Turtle-Dove**
Tisha Mukherjee / Creative Commons

**Orange-breasted Green-Pigeon**
Afsar Nayakkan /Creative Commons

**Amur Falcon**
Afsar Nayakkan /Creative Commons

# Rare and uncommon bird species recorded during the project

**Blue-cheeked Bee-eater**
Dr. Raju Kasambe/Creative Commons

**Thick-billed Warbler**
Afsar Nayakkan /Creative Commons

**Blyth's Pipit**
Afsar Nayakkan /Creative Commons

THE **WETLAND** IS THE MOTHER
THE **BIRD** IS HER SONG

State Wetland
Authority Kerala

# BIRDS
## OF THE RAMSAR WETLANDS OF KERALA:
Diversity, Population Trend and Conservation Challenges


**Kerala Agricultural University**
Vellanikkara Mannuthy, Thrissur, Kerala 680 656

**State Wetland Authority Kerala (SWAK)**
4th Floor, KSRTC Bus Terminal Complex, Thampanoor, Thiruvananthapuram, Kerala 695001